DECEMBER HOLIDAY ASSIGNMENTS 2026

COMPETENCY BASED EDUCATION

SENIOR SCHOOL CURRICULUM

GRADE 10 WRITTEN ASSESSMENTS



ENGLISH LANGUAGE | SCIENCE & TECHNOLOGY | ARTS & SPORTS

LEARNER'S NAME: .....

SCHOOL: .....

ULI NUMBER: ..... DATE: .....

Empowering your education with skills for a brighter future.

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ACTIVITIES 2026

GRADE 10 – AGRICULTURE

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. A farmer wants to establish a crop farm on newly acquired land. State **two factors** that should be considered when selecting the land. **(2 marks)**

i. _____

ii. _____

2. Differentiate between **soil fertility** and **soil productivity**. **(2 marks)**

_____

_____

_____

3. State **two characteristics** of a fertile agricultural soil. **(2 marks)**

i. _____

ii. _____

4. During land preparation, a farmer uses a mouldboard plough followed by a harrow.

a) State the main purpose of ploughing. **(1 mark)**

_____

b) State the purpose of harrowing. **(1 mark)**

_____

5. Give **three reasons** why planting materials should be of good quality. **(3 marks)**

i. _____

ii. _____

iii. _____

6. A farmer planted maize seeds at a very shallow depth.

State **two problems** that may result from shallow planting. **(2 marks)**

i. _____

ii. _____

7. State **three factors** that influence the choice of a method of weed control. **(3 marks)**

i. _____

ii. _____

iii. _____

8. Give **two reasons** why farmers practise crop rotation. **(2 marks)**

i. _____

ii. _____

9. A farmer notices that some maize leaves are being eaten by caterpillars.

a) Identify the likely category of organism causing the damage. **(1 mark)**

_____

b) State **one method** of controlling such pests. **(1 mark)**

_____

10. State **two benefits** of mulching in crop production. **(2 marks)**

i. _____

ii. _____

11. Give **two signs** that can be used to determine whether a crop is ready for harvesting. **(2 marks)**

i. _____

ii. _____

12. State **two characteristics** of a good beef animal. **(2 marks)**

i. _____

ii. _____

13. Give **two reasons** why livestock require a balanced diet. **(2 marks)**

i. _____

ii. _____

14. State **two factors** that should be considered when selecting livestock housing. **(2 marks)**

i. _____

ii. _____

15. A farmer keeps poultry for commercial purposes. State **one record** that should be maintained in the poultry enterprise and give **one reason** for keeping it. **(2 marks)**

_____

_____

SECTION B: 50 MARKS

Answer ALL questions.

16. A farmer in a semi-arid area of Kenya intends to establish a horticultural farm. The farmer observes that the soil dries quickly and that rainfall is unreliable. During heavy rainfall, water also runs rapidly down the slope.

a) Explain **four ways** in which soil water is important to crop production. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Describe **three methods** that the farmer can use to conserve soil moisture. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **three measures** that can be used to reduce soil erosion on the farm. **(3 marks)**

i. _____

ii. _____

iii. _____

17. A farmer plans to grow Irish potatoes for the local market. Before planting, the farmer selects healthy planting materials, prepares the land and plans to carry out appropriate crop management practices.

a) Explain **four factors** that should be considered when selecting planting materials. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Describe **three crop management practices** that should be carried out after crop emergence. **(3 marks)**

i. _____

ii. _____

iii. _____

c) State **three factors** that may influence the choice of an appropriate harvesting method. **(3 marks)**

i. _____

ii. _____

iii. _____

18. A farmer keeps dairy goats. Recently, some goats have shown reduced appetite, weight loss and abnormal discharge. The farmer seeks advice from an agricultural extension officer.

a) State **four signs** that may indicate poor health in livestock. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Explain **two practices** that the farmer can use to prevent livestock diseases. **(2 marks)**

i. _____

ii. _____

c) State **two factors** that should be considered when constructing livestock housing. **(2 marks)**

i. _____

ii. _____

d) State **two factors** that should be considered when constructing livestock housing. **(2 marks)**

i. _____

ii. _____

e) Study the pictures of the farm animals shown below and identify the breed of each animal. (3 marks)



X



Y



Z

Animal		Breed type
Rabbit	X	
Goat	Y	
Cow	Z	

19. During an Agriculture practical lesson, learners are given a **wheelbarrow, watering can, rake, pruning saw and jembe**. They are instructed to demonstrate their correct use and maintenance.

a) State the use of **four** of the tools listed above. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Explain **three practices** that can prolong the useful life of farm tools and equipment. **(3 marks)**

i. _____

ii. _____

iii. _____

c) State **three advantages** of using appropriate agricultural technology in farming. **(3 marks)**

i. _____

ii. _____

iii. _____

20. A Grade 10 Agriculture club establishes a tomato enterprise. The learners invest **KSh 12,000** in seeds, fertilisers, pesticides, labour and transport. At the end of the season, they sell their tomatoes for **KSh 20,000**.

a) Calculate the **profit** made by the enterprise. **(2 marks)**

b) Explain **three factors** that could affect the profitability of the tomato enterprise. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Describe **three ways** through which the learners can add value to tomatoes before selling them. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **two qualities** that the learners need to become successful agricultural entrepreneurs. **(2 marks)**

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ACTIVITIES 2026

GRADE 10 – AVIATION TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

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Assessment Number: _____. **Date:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. Define the term **aviation technology**. **(2 marks)**

_____

_____

2. State **two advantages of air transport** over other forms of transport. **(2 marks)**

i. _____

ii. _____

3. Give **two examples of heavier-than-air aircraft. (2 marks)**

i. _____

ii. _____

4. State **two characteristics of a good aviation professional. (2 marks)**

i. _____

ii. _____

5. Give **two causes of accidents in an aviation workshop. (2 marks)**

i. _____

ii. _____

6. State **two purposes of safety signs** in an aviation workplace. **(2 marks)**

i. _____

ii. _____

7. Name **two types of personal protective equipment (PPE)** used in an aviation workshop. **(2 marks)**

i. _____

ii. _____

8. State **two functions of the aircraft cockpit. (2 marks)**

i. _____

ii. _____

9. Name **two primary flight control surfaces. (2 marks)**

i. _____

ii. _____

10. State **two functions of the aircraft tail assembly. (2 marks)**

i. _____

ii. _____

11. Give **two examples of materials** used in aircraft construction. **(2 marks)**

i. _____

ii. _____

12. State **two factors considered when selecting materials for aircraft construction. (2 marks)**

i. _____

ii. _____

13. Name **two tools used for cutting materials** in an aviation workshop. **(2 marks)**

i. _____

ii. _____

14. State **two functions of an airport runway. (2 marks)**

i. _____

ii. _____

15. Give **two services provided by an airport to passengers. (2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

16. During a school Aviation Technology exhibition, learners displayed models representing different stages in the development of flight. The teacher asked them to explain how aviation progressed from simple flying machines to modern aircraft.

(a) State **two early attempts at human flight** before the development of modern aeroplanes. **(2 marks)**

i. _____

ii. _____

(b) Name **two pioneers associated with the development of powered flight. (2 marks)**

i. _____

ii. _____

(c) Explain **three factors that contributed to the development of modern aviation technology. (3 marks)**

i. _____

ii. _____

(d) State **three benefits of aviation to the Kenyan economy and society. (3 marks)**

i. _____

ii. _____

iii. _____

17. During a practical lesson, Brian enters an aircraft workshop and observes a learner grinding metal without safety goggles. There are loose tools scattered around the workbench, and an electrical appliance has a damaged power cable.

(a) Identify **three safety hazards** in the workshop. **(3 marks)**

i. _____

ii. _____

iii. _____

(b) State **one appropriate corrective measure for each hazard identified in (a). (3 marks)**

_____

_____

(c) Explain **two reasons why housekeeping is important in an aviation workshop. (2 marks)**

i. _____

ii. _____

(d) State **two procedures to follow when using electrical equipment** in an aviation workshop. **(2 marks)**

i. _____

ii. _____

18. Aviation Technology learners are studying a conventional fixed-wing aircraft. Their teacher asks them to identify the major structural components and explain how the aircraft is controlled during flight.

(a) Name the aircraft component that:

(i) Contains the cockpit, passengers and cargo. _____ **(1 mark)**

(ii) Produces aerodynamic lift. _____ **(1 mark)**

(iii) Houses the rudder and elevators. _____ **(1 mark)**

(iv) Supports the aircraft when it is on the ground. _____ **(1 mark)**

(b) State the function of each of the following control surfaces:

(i) Aileron **(2 marks)**

_____

_____

(ii) Elevator **(2 marks)**

_____

_____

(iii) Rudder **(2 marks)**

_____

_____

19. A school aviation club is making a model aircraft using aluminium sheets and other materials. The learners are instructed to measure, mark, cut and finish the materials accurately.

(a) State **two properties that make aluminium suitable for aircraft construction. (2 marks)**

i. _____

ii. _____

(b) Differentiate between a **measuring tool** and a **marking-out tool**. **(2 marks)**

_____

_____

_____

(c) Give **two examples of measuring tools** used in aircraft construction. **(2 marks)**

i. _____

ii. _____

(d) Give **two examples of marking-out tools** used in aircraft construction. **(2 marks)**

i. _____

ii. _____

(e) State **two reasons for using accurate dimensions in technical drawings**. **(2 marks)**

i. _____

ii. _____

20. A passenger aircraft is scheduled to depart from a Kenyan airport at 10:00 a.m. Before departure, the crew receives information concerning weather, runway conditions, air traffic and the aircraft's flight plan.

(a) State **two pieces of information that a pilot may obtain before departure**. **(2 marks)**

i. _____

ii. _____

(b) Explain **two ways in which wind affects aircraft operations**. **(4 marks)**

i. _____

ii. _____

(c) State **two reasons why air traffic control is important at an airport**. **(2 marks)**

i. _____

ii. _____

(d) State **two activities carried out during passenger handling at an airport**. **(2 marks)**

i. _____

ii. _____



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ACTIVITIES 2026

GRADE 10 – BIOLOGY
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. A group of Grade 10 learners visited a forest to observe different organisms.

a) State **one characteristic** that all living organisms possess. **(1 mark)**

_____

_____

b) Give **two reasons** why Biology learners study organisms in their natural habitats. **(2 marks)**

i. _____

ii. _____

2. A learner accidentally left a prepared biological specimen exposed to high temperatures for several hours.

a) What is meant by **preservation of a specimen**? **(1 mark)**

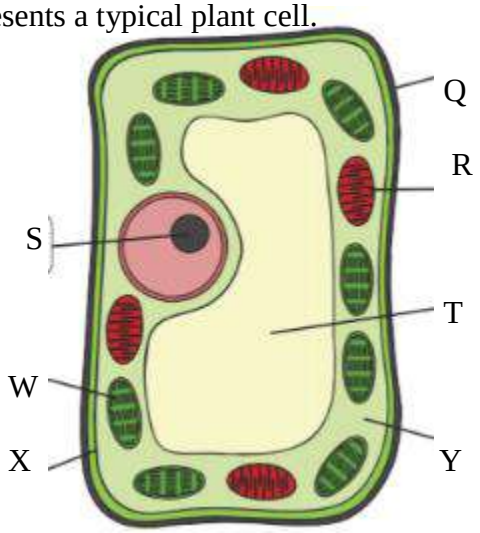
_____

_____

b) State **one method** of preserving a biological specimen. **(1 mark)**

_____

3. The diagram below represents a typical plant cell.



a) Name the structure that controls the activities of the cell. **(1 mark)**

_____

b) State **one function** of the cell wall. **(1 mark)**

_____

_____

c) Name the organelle responsible for photosynthesis. **(1 mark)**

_____

4. A student observed onion cells under a microscope.

a) Why was iodine solution added to the specimen? **(1 mark)**

_____

_____

b) State **one advantage** of using a stain when observing cells. **(1 mark)**

_____

_____

5. A learner tested a food sample using Benedict's solution and heated the mixture.

a) What food substance was being tested? **(1 mark)**

_____

_____

b) State the colour change that indicates a positive result. **(1 mark)**

_____

_____

6. A farmer watered a young maize plant adequately but kept it in complete darkness.

a) Explain why the plant could not manufacture enough food. **(1 mark)**

_____

_____

b) Name the green pigment required for photosynthesis. **(1 mark)**

_____

_____

7. Plants require mineral salts for healthy growth.

a) Name **one mineral element** required by plants. **(1 mark)**

_____

_____

b) State **one function** of the mineral element named in (a). **(1 mark)**

_____

_____

8. A learner noticed that water droplets disappeared from the surface of a leaf after several hours.

a) Name the process responsible for the loss of water vapour from leaves. **(1 mark)**

_____

_____

b) Through which structures does most water vapour leave the leaf? **(1 mark)**

_____

_____

9. During a football match, players breathe faster and their hearts beat more rapidly.

a) Why does the heartbeat increase during vigorous exercise? **(1 mark)**

_____

_____

b) State **one substance** transported in the blood from the lungs to actively respiring muscles. **(1 mark)**

_____

_____

10. A learner compared aerobic and anaerobic respiration.

a) Which type of respiration requires oxygen? **(1 mark)**

_____

_____

b) State **one product** of anaerobic respiration in human muscles. **(1 mark)**

_____

11. A balanced diet contains different nutrients in appropriate proportions.

a) Name **two vitamins** required by humans. **(2 marks)**

i. _____

ii. _____

b) State **one function** of vitamins in the body. **(1 mark)**

_____

_____

12. State **three differences** between diffusion and osmosis. **(3 marks)**

Diffusion	**Osmosis**

SECTION B: 50 MARKS

Answer all questions.

13. A Biology teacher gave learners a compound light microscope and a prepared slide containing plant cells.

a) Name the following microscope parts and state one function of each:

i. Eyepiece lens. **(2 marks)**

_____

_____

ii. Objective lens. **(2 marks)**

_____

_____b)

Describe how a learner should obtain a clear image of a specimen using a light microscope. **(3 marks)**

_____

_____

_____

_____c) State **three precautions** that should be observed when using a microscope. **(3 marks)**

i. _____

ii. _____

iii. _____

14. Different cells in organisms have structures suited to their functions.

a) Explain the meaning of **cell differentiation**. **(2 marks)**

_____

_____

b) State **two adaptations** of a red blood cell for transporting oxygen. **(2 marks)**

i. _____

ii. _____

c) Explain how each of the following processes occurs:

i. Crenation. **(2 marks)**

_____

_____

_____

_____

ii. Haemolysis. **(2 marks)**

_____

_____

_____

_____

d) State **two factors** that affect the rate of diffusion. **(2 marks)**

i. _____

ii. _____

15. A school canteen introduced a menu consisting of ugali, beans, vegetables, fruit and milk. The Biology teacher asked learners to identify the nutrients provided by the meal.

a) State the main function of each of the following nutrients:

i. Carbohydrates. **(1 mark)**

_____

_____

ii. Proteins. **(1 mark)**

_____

_____iii. Fats and oils. **(1 mark)**

_____

_____

b) Explain why water is important in the human body. **(2 marks)**

_____

_____

_____

_____

c) Describe how you would test a food sample for **starch** in a laboratory. **(3 marks)**

_____

_____

_____

_____

d) State **two consequences** of consuming an unbalanced diet for a long period. **(2 marks)**

i. _____

ii. _____

16. A farmer noticed that some maize plants had yellow leaves and poor growth despite receiving enough water.

a) Explain how a deficiency of mineral salts can affect plant growth. **(2 marks)**

_____

_____

b) Describe the role of **xylem tissue** in a plant. **(3 marks)**

_____

_____

c) Explain how water moves from the soil into a root hair cell. **(2 marks)**

_____

_____

d) State **three factors** that can affect the rate of transpiration. **(3 marks)**

i. _____

ii. _____

iii. _____

17. A group of learners investigated breathing before and after running. They recorded the following observations:

Condition	Breaths per minute
Before running	18
Immediately after running	32
Five minutes after running	24

a) Calculate the increase in breathing rate immediately after running. **(1 mark)**

b) Explain why breathing rate increased after running. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Distinguish between **gaseous exchange** and **respiration**. **(2 marks)**

_____

_____

_____

_____

d) State **two adaptations** of the alveoli that make them efficient for gaseous exchange. **(2 marks)**

i. _____

ii. _____

e) Give **two reasons** why breathing rate gradually returns towards normal after exercise. **(2 marks)**

i. _____

ii. _____



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENTS 2026

GRADE 10 – BUILDING CONTRUCTION

Time: 2 Hours

LEARNER'S DETAILS

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Assessment Number: _____. **Date:** _____.

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SECTION A (30 MARKS)

Answer ALL questions in this section.

1. Study the samples represented below and answer the questions.



A



B



C

a) Identify the building materials represented by **A, B and C**. (3 marks)

A. ..... B. ..... C. .....

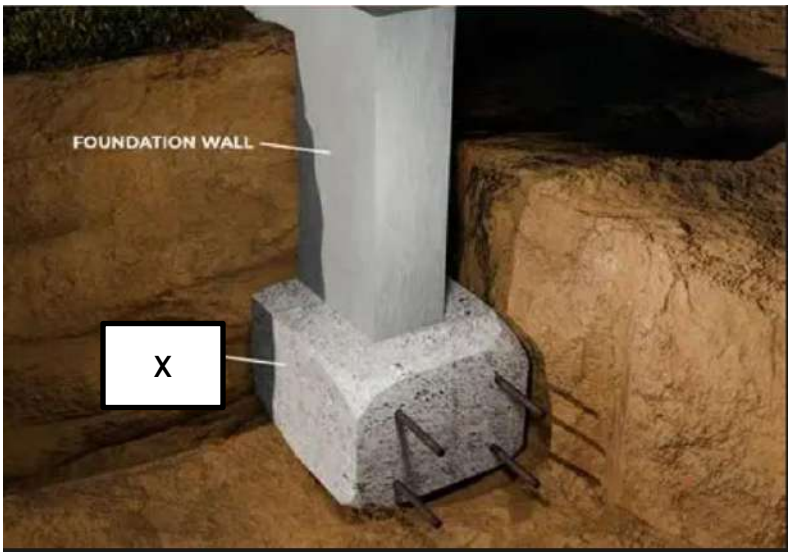
b) State **one use of material A** in building construction. (1 mark)

.....

c) State **one property of a good building stone**. (1 mark)

.....

2. Study the simplified cross-section below.



a) Identify the component labelled **X**. (1 mark)

.....

b) State **two functions of X**. (2 marks)

i. .....

ii. .....

c) State **two factors that influence foundation depth**. (2 marks)

i. .....

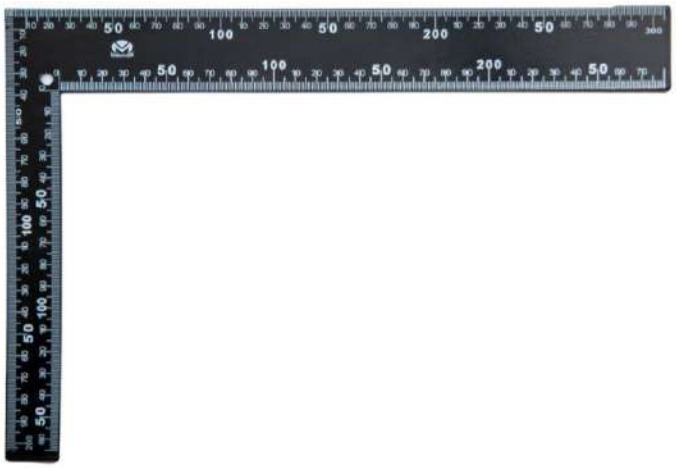
ii. .....

3. Study the tools shown below.

A



B



a) Identify **any two setting-out tools** represented above. (2 marks)

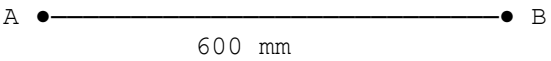
A. .....

B. .....

b) State **one use of a builder's square**. (1 mark)

.....

4. Study the line below.



The line represents a wall on a building drawing. The actual wall is **6 metres** long.

a) Calculate the scale of the drawing. (2 marks)

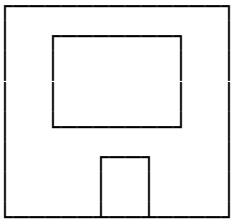
b) State **one importance of scale in building drawing**. (1 mark)

.....

.....

5. Study the simplified building representation.

FRONT ELEVATION



a) Identify the type of building drawing shown. (1 mark)

.....

b) State **two pieces of information** that may be obtained from this type of drawing. (2 marks)

i. .....

ii. .....

6. Susan was asked to list the materials used in making concrete.

a) Identify the four basic materials. (4 marks)

A. .....

B. .....

C. .....

D. .....

b) State **one purpose of water in concrete**. (1 mark)

.....
.....

7. Study the excavation shown below.



a) Identify the construction activity represented by the diagram. (1 mark)

.....

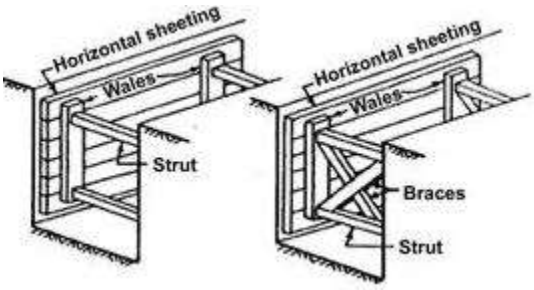
b) Name **one danger associated with unsupported deep excavations**.(1 mark)

.....

c) State **one method of preventing collapse of the excavation sides**.(1 mark)

.....

8. Study the diagram below.



a) Identify the construction support represented by the shaded members. .

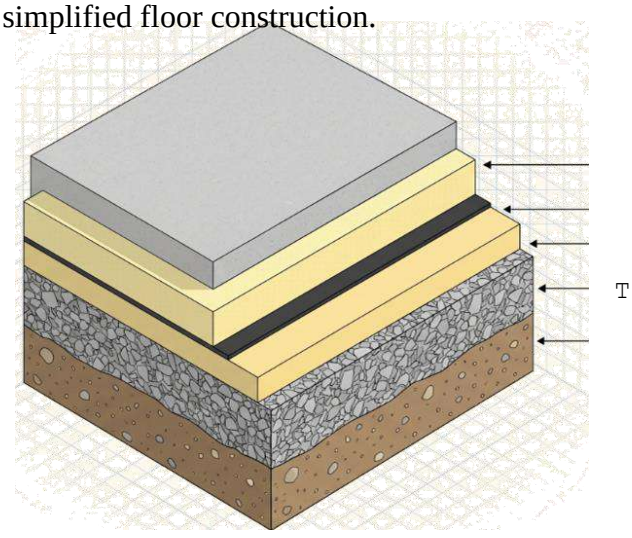
.....

b) State **two reasons for providing this support**. (2 marks)

i. .....

ii. .....

9. Study the simplified floor construction.



a) Identify the layer represented by the T. (1 mark)

.....

b) State **one purpose of hardcore** in floor construction. (1 mark)

.....

c) State **one reason for compacting the ground before laying a floor**. (1 mark)

.....

10. Study the pipe fittings below.

A



B



C



a) Identify fittings **A, B and C**. (3 marks)

A. .....

B. .....

C. .....

b) State **one function of a tee fitting**. (1 mark)

.....

c) Name **one material used for manufacturing water pipes**. (1 mark)

.....

SECTION B: 50 MARKS

Answer ALL questions.

11. A contractor has been given a piece of land on which a residential building is to be constructed. The site contains bushes, tree stumps, loose soil and some stones.

a)Identify **four activities** that should be undertaken during site preparation.(4 marks)

i. .....
ii. .....
iii. .....
iv. .....

b)Explain **three factors that should be investigated before construction begins**.(3 marks)

i. .....
ii. .....
iii. .....

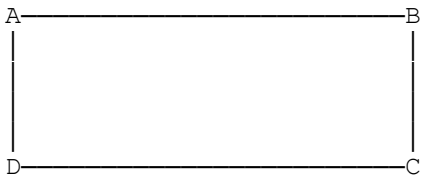
c) State **three reasons why setting out must be accurate**. (3 marks)

i. .....

ii. .....

iii. .....

12. Study the setting-out illustration below.



AB = DC
AD = BC

a)

Identify the shape of the building being set out. (1 mark)

.....

b) Explain **four steps involved in setting out the building shown above**. (4 marks)

i. .....

ii. .....

iii. .....

iv. .....

c) State **three methods/tools that can be used to ensure that corners A, B, C and D are accurately positioned**. (3 marks)

i. .....

ii. .....

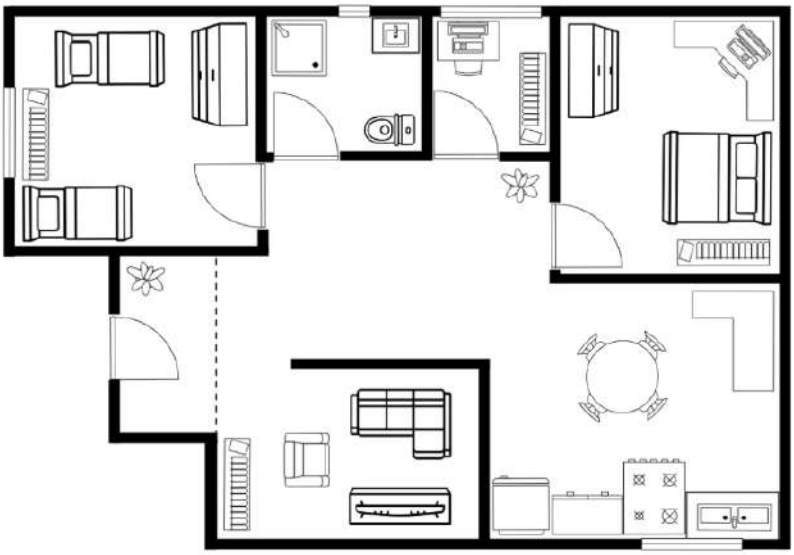
iii. .....

d) State **two checks that should be made before excavation begins**. (2 marks)

i. .....

ii. .....

13. Study the simplified plan below.



a) Identify the type of drawing shown. (1 mark)

.....

b) Name **four features visible on the drawing**. (4 marks)

i. .....

ii. .....

iii. .....

iv. .....

c) The actual length of the building is **8 metres**. On a drawing it measures **16 cm**.

Calculate the scale. (3 marks)

d) State **two reasons why dimensions are included on building drawings**. (2 marks)

i. .....

ii. .....

14.

a) Identify **four components** shown in the cross-section. (4 marks)

i. .....

ii. .....

iii. .....

iv. .....

b) Explain **three functions of the foundation**. (3 marks)

i. .....

ii. .....

iii. .....

c)State **three requirements of a good ground floor**.(3 marks)

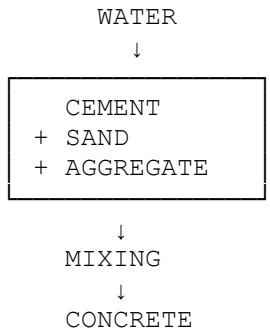
i. .....

ii. .....

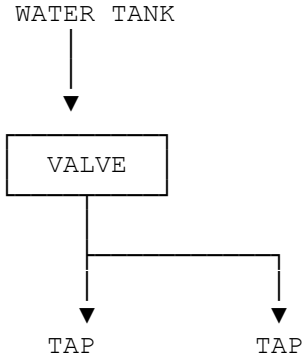
iii. .....

15. Study the two illustrations below.

A. CONCRETE MIXING



B. PLUMBING SYSTEM



a)

From illustration **A**, state **four operations involved in producing good concrete**. (4 marks)

i. .....

ii. .....

iii. .....

iv. .....

b)

State **three functions of a valve** in a water-supply system. (3 marks)

i. .....

ii. .....

iii. .....

c)

State **three safety precautions when carrying out plumbing work**. (3 marks)

i. .....

ii. .....

iii. .....

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – BUSINESS STUDIES
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define the term **business environment**. **(1 mark)**

_____

_____

b) State **two internal factors** that may influence the operations of a business. **(2 marks)**

i. _____

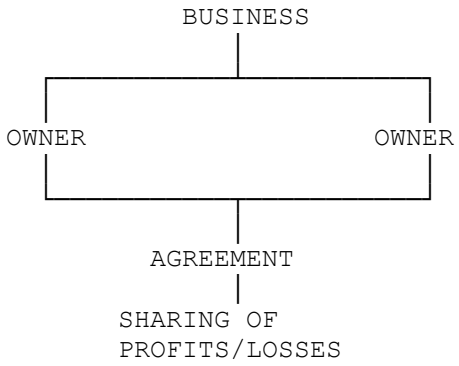
ii. _____

c) State **two external factors** that may influence a business. **(2 marks)**

i. _____

ii. _____

2. Study the illustration below and answer the questions that follow.



a) Identify the form of business ownership represented by the diagram. **(1 mark)**

_____

b) State **two features** of this form of business ownership. **(2 marks)**

i. _____

ii. _____

c) State **two sources from which the owners may obtain capital** for the business. **(2 marks)**

i. _____

ii. _____

3. a) What is meant by **trade**? **(1 mark)**

_____

_____

b) Distinguish between **home trade** and **foreign trade**. **(2 marks)**

_____

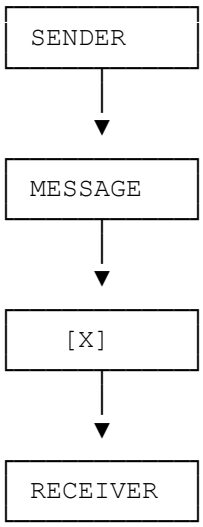
_____

c) State **two benefits of trade to consumers**. **(2 marks)**

i. _____

ii. _____

4. Study the communication process below.



a) Identify the communication element represented by **X**. **(1 mark)**

_____

b) State **two methods of communication** that a business may use. **(2 marks)**

i. _____

ii. _____

c) State **two qualities of effective business communication**. **(2 marks)**

i. _____

ii. _____

5. a) Define **insurance**. **(1 mark)**

_____

_____

b) State **two principles of insurance**. **(2 marks)**

i. _____

ii. _____

c) Give **two reasons why businesses take insurance policies**. **(2 marks)**

i. _____

ii. _____

6. A learner wants to establish a small poultry enterprise but does not have enough money to purchase the required equipment and chicks.

a) State **two internal sources of business finance**. **(2 marks)**

i. _____

ii. _____

b) State **two external sources of business finance**. **(2 marks)**

i. _____

ii. _____

c) State **one factor the learner should consider before obtaining a loan**. **(1 mark)**

_____

_____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. Read the case study below and answer the questions that follow.

Tumaini General Store operates in a growing town. Recently, the number of customers has increased because a new residential estate has been established nearby. However, the business has also experienced increased competition. The cost of transporting goods has risen, and customers increasingly prefer businesses that accept digital payments. The owner is considering introducing electronic payment facilities and expanding the range of goods sold.

a) Identify **two opportunities** available to Tumaini General Store from the case study. **(2 marks)**

i. _____

ii. _____

b) Identify **two challenges** facing the business. **(2 marks)**

i. _____

ii. _____

c) Explain **three ways in which technology can improve the operations of the business**. **(3 marks)**

i. _____

ii. _____

iii. _____

d) Explain **three ways in which competition may affect the business**. **(3 marks)**

i. _____

ii. _____

iii. _____

8. A group of learners observes that many people in their community travel a long distance to obtain freshly baked bread and other bakery products. They decide to establish a small bakery.

Before starting the business, they investigate customer needs, competitors, availability of raw materials, required capital and the possible selling price.

a) Identify **two sources of business ideas** demonstrated in the case. **(2 marks)**

i. _____

ii. _____

b) Explain **three factors the learners should consider when assessing the viability of the bakery business**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) State **two risks that the learners may face when starting the business**. **(2 marks)**

i. _____

ii. _____

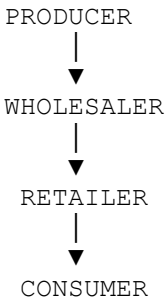
d) Explain **three ways of reducing business risks**. **(3 marks)**

i. _____

ii. _____

iii. _____

9. Study the distribution chain below.



a) Identify the **type of distribution channel** represented by the diagram. **(1 mark)**

_____

b) State **two functions of a wholesaler** in this channel. **(2 marks)**

i. _____

ii. _____

c) State **two functions of a retailer**. **(2 marks)**

i. _____

ii. _____

d) Explain **three advantages of using intermediaries in the distribution of goods**. **(3 marks)**

i. _____

ii. _____

iii. _____

e) State **two factors that may determine the choice of a distribution channel**. **(2 marks)**

i. _____

ii. _____

10. A hardware business owns a building, delivery vehicle, stock and business equipment. The owner is concerned about possible losses arising from fire, theft and road accidents involving the delivery vehicle.

a) Identify **three risks** faced by the business from the case study. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Explain **two ways through which insurance can help the business**. **(2 marks)**

i. _____

ii. _____

c) Distinguish between **life insurance** and **general insurance**. **(2 marks)**

_____

_____

_____

d) Explain **three factors that may influence the amount of insurance premium paid by a business**. **(3 marks)**

i. _____

ii. _____

iii. _____

11. Mwangaza Traders provided the following information for the month of August:

Item	Amount (KSh)
Capital introduced by owner	100,000
Sales revenue	180,000
Purchases	90,000
Rent	15,000
Wages	20,000
Transport expenses	8,000
Electricity	7,000

a) Calculate the **total operating expenses**, excluding purchases. **(2 marks)**

b) Calculate the **total expenditure including purchases**. **(2 marks)**

c) Assuming that the cost of goods sold is KSh 90,000, calculate the **gross profit**. **(2 marks)**

d) Calculate the **net profit**. **(2 marks)**

e) State **two ways in which the business can improve its profitability**. **(2 marks)**

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – CHEMISTRY
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. A mixture contains **iron filings, sand and common salt**.

a) Name the method that can be used to separate the iron filings from the mixture. **(1 mark)**

_____

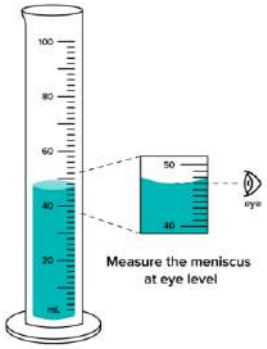
b) State the method used to separate sand from the salt solution after adding water to the remaining mixture. **(1 mark)**

_____

c) Name the method that can be used to obtain solid sodium chloride from the salt solution. **(1 mark)**

_____

2. A learner measured the volume of a liquid using a measuring cylinder as shown below.



a) What should the learner do to obtain an accurate reading of the volume? **(1 mark)**

_____

b) At which part of the meniscus should the reading be taken for water? **(1 mark)**

_____

c) State the appropriate position of the learner's eye when taking the reading. **(1 mark)**

_____

3. Study the apparatus represented below.



a) Identify the apparatus represented above. _____ **(1 mark)**

b) State one use of the apparatus in the chemistry laboratory. **(1 mark)**

_____

c) Name one other apparatus that can be used to measure a fixed volume of a liquid accurately. **(1 mark)**

_____

4. An atom of element **A** has **13 protons, 13 electrons and 14 neutrons**.

a) State the atomic number of element A. **(1 mark)**

_____

b) Calculate the mass number of element A. **(1 mark)**

c) Write the electronic arrangement of element A. **(1 mark)**

---

5. Consider the following elements:

Element	**Electronic arrangement**
P	2.1
Q	2.8.2
R	2.8.6

a) Which element belongs to Group 1? **(1 mark)**

---

b) Which element belongs to Group 16? **(1 mark)**

---

c) State the period occupied by element Q. **(1 mark)**

---

6. Calcium has the electronic arrangement **2.8.8.2**, while oxygen has the electronic arrangement **2.6**.

a) State the number of electrons calcium loses when forming an ion. **(1 mark)**

---

b) State the number of electrons oxygen gains when forming an ion. **(1 mark)**

---

c) Write the formula of the compound formed between calcium and oxygen. **(1 mark)**

---

7. A learner tested three solutions using litmus paper.

Solution	**Effect on blue litmus**	**Effect on red litmus**
A	Turns red	No change
B	No change	Turns blue
C	No change	No change

a) Identify solution A as acidic, alkaline or neutral. **(1 mark)**

---

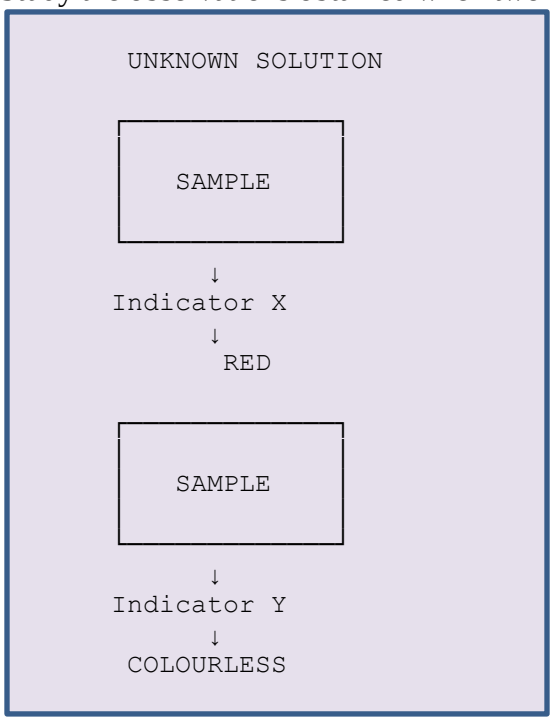
b) Identify solution B as acidic, alkaline or neutral. **(1 mark)**

---

c) Identify solution C as acidic, alkaline or neutral. **(1 mark)**

---

8. Study the observations obtained when two indicators were added to an unknown solution.



a) If indicator X is phenolphthalein, state whether the observation is possible. Give a reason. **(1 mark)**

_____

b) State the colour of phenolphthalein in an alkaline solution. **(1 mark)**

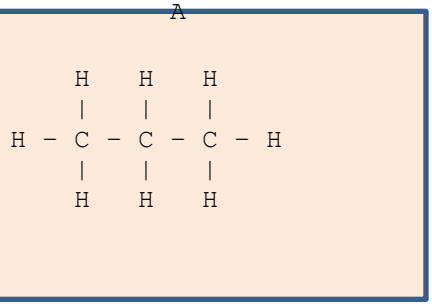
_____

c) Name one indicator that may give a red colour in a strongly acidic solution. **(1 mark)**

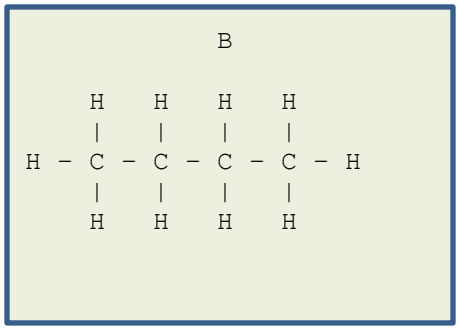
_____

9. Study the compounds below:

A



B



a) Name compound A. **(1 mark)**

_____

b) Name compound B. **(1 mark)**

_____

c) State the homologous series to which the two compounds belong. **(1 mark)**

_____

10. A learner burns a hydrocarbon in a plentiful supply of air.

a) Name the type of combustion expected when sufficient oxygen is available. **(1 mark)**

_____

b) Name the two main products formed during complete combustion of a hydrocarbon. **(1 mark)**

_____

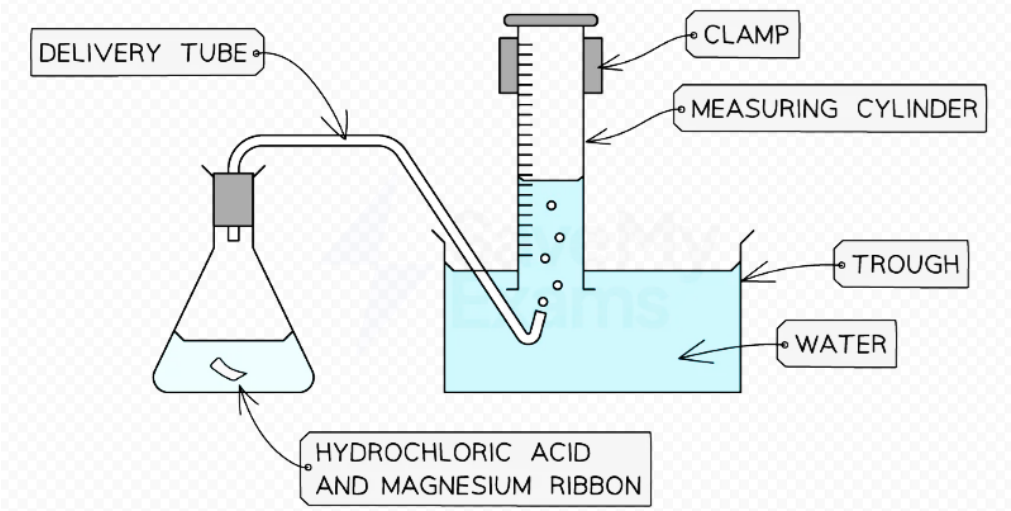
c) State one environmental effect of carbon dioxide released during combustion. **(1 mark)**

_____

SECTION B:50 MARKS

Answer ALL questions in this section.

11. A learner carried out an experiment in which **magnesium ribbon** was placed in dilute hydrochloric acid. Bubbles of gas were produced and the magnesium gradually disappeared.



a) Name the gas produced. _____ **(1 mark)**

b) Describe a chemical test for the gas identified in (a). **(2 marks)**

_____

_____

c) State two observations made during the reaction apart from the production of gas. **(2 marks)**

_____

_____

d) Write a balanced chemical equation for the reaction. **(2 marks)**

_____

_____

e) Name the salt formed in the reaction. **(1 mark)**

_____

f) Explain why magnesium ribbon is cleaned before it is placed in the acid. **(2 marks)**

_____

_____

12. A farmer obtained a soil sample that was found to be excessively acidic. The farmer was advised to apply an appropriate substance to reduce the acidity.

a) What is meant by an acid? **(1 mark)**

_____

_____

b) Name one substance that can be used to reduce excessive acidity in agricultural soil. **(1 mark)**

_____

c) Explain how the substance named in (b) helps to reduce soil acidity. **(2 marks)**

_____

_____

d) Hydrochloric acid reacts with calcium hydroxide. Write a balanced chemical equation for the reaction.
(2 marks)

_____

_____

e) Name the type of reaction represented by the equation in (d). **(1 mark)**

_____

f) Name the salt formed in the reaction. **(1 mark)**

_____

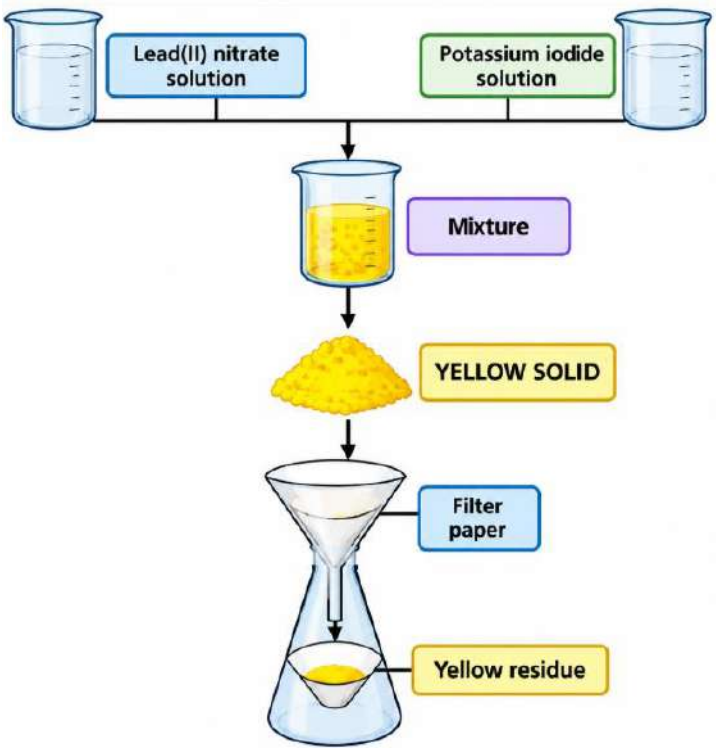
g) State two practical applications of neutralisation reactions. **(2 marks)**

_____

_____

13. A learner was instructed to prepare **lead(II) iodide** by mixing suitable solutions of lead(II) nitrate and potassium iodide.

The process is represented below.



a) Name the yellow solid formed. _____ **(1 mark)**

b) Name the method used to separate the solid from the mixture. _____ **(1 mark)**

c) State the purpose of the filter paper. **(1 mark)**

_____

d) Write a balanced chemical equation for the reaction using chemical formulae. **(3 marks)**

_____

_____

e) Explain why the reaction is classified as a precipitation reaction. **(2 marks)**

_____

_____

f) State one way of obtaining a cleaner sample of the solid product. **(1 mark)**

_____

14. The following compounds are represented by their molecular formulae:

- A – C_2H_6
- B – C_3H_6
- C – C_4H_{10}
- D – C_5H_{10}

a) Identify the compounds that are alkanes. **(2 marks)**

_____

b) Identify the compounds that could represent alkenes. **(2 marks)**

_____

c) State the general formula of alkanes. **(1 mark)**

_____

_____

d) State the general formula of alkenes. **(1 mark)**

_____

_____

e) Give the names of compounds A and C. **(2 marks)**

A: _____

C: _____

f) State one chemical test that can be used to distinguish an alkene from an alkane. **(1 mark)**

_____

_____

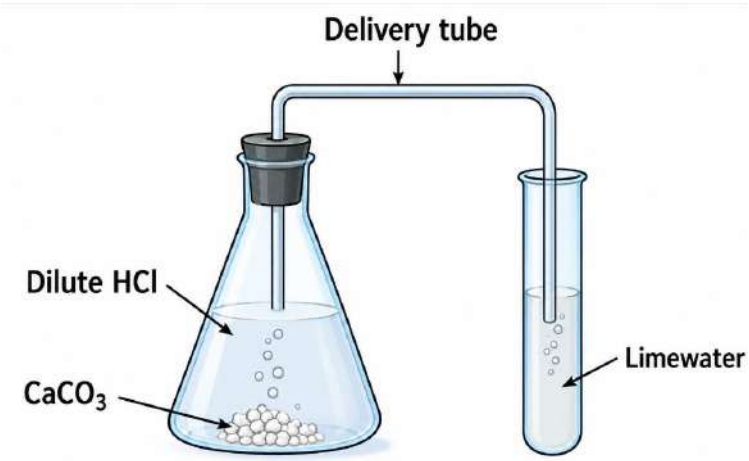
g) State the expected observation when the test in (f) is carried out on an alkene. **(1 mark)**

_____

_____

15. A Grade 10 learner was investigating the reaction between an acid and a carbonate. The learner placed a small amount of calcium carbonate in a flask and added dilute hydrochloric acid.

The experimental arrangement is represented below.



a) Name the gas produced in the flask. _____**(1 mark)**

b) State the chemical test for the gas using limewater. **(2 marks)**

_____

_____

c) State the observation expected in the limewater test. **(1 mark)**

_____

_____

d) Write a balanced chemical equation for the reaction between calcium carbonate and hydrochloric acid. **(3 marks)**

_____

_____

e) Name the salt formed in the reaction. **(1 mark)**

_____

f) State two safety precautions the learner should observe during the experiment. **(2 marks)**

_____

_____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – COMPUTER STUDIES

Time: 2 Hours

LEARNER'S DETAILS

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Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define the term **hardware**. (1 mark)

_____

_____

b) State two examples of input devices. (2 marks)

i. _____

ii. _____

c) Give one example of an output device. (1 mark)

_____

d) State one function of a storage device. (1 mark)

_____

2. Study the diagram below and answer the questions that follow.



a) Identify device **Q**. _____ (1 mark)

b) Identify device **R**. _____ (1 mark)

c) Identify device **S**. _____ (1 mark)

d) Identify device **T** _____ (1 mark)

e) State one use of device **T**. (1 mark)

_____

_____

3. a) What is **computer memory**? (1 mark)

_____

_____

b) Distinguish between **RAM** and **ROM**. (2 marks)

_____

_____

c) State two examples of secondary storage devices. (2 marks)

i. _____

ii. _____

4. A teacher records the following marks:

65, 72, 48, 80, 75

a) What is meant by **data**? (1 mark)

_____

_____

b) What is meant by **information**? (1 mark)

_____

_____

c) Calculate the **total marks** obtained. (1 mark)

d) Calculate the **average mark**. Show your working. (2 marks)

5. a) State the base of the binary number system. (1 mark)

_____

b) Write the two digits used in binary notation. (1 mark)

i. _____

ii. _____

c) Convert **11001_2** to decimal. Show your working. (2 marks)

d) State one use of binary numbers in computing. (1 mark)

_____

_____

6. a) Define **computer ethics**. (1 mark)

_____

_____

b) State two examples of unethical use of computers. (2 marks)

i. _____

ii. _____

c) State two measures that can be taken to protect personal data on a computer. (2 marks)

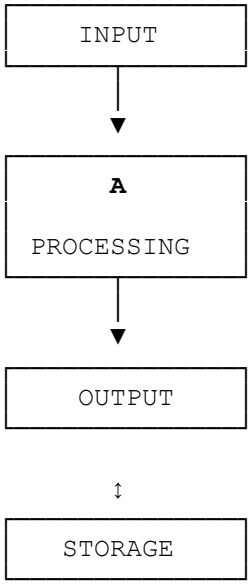
i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. Study the diagram below.



a) Identify component **A** represented by the stage A. _____ (1 mark)

b) State the three major stages of the information processing cycle. (3 marks)

i. _____

ii. _____

iii. _____

c) Give two examples of devices used for entering data into a computer. (2 marks)

i. _____

ii. _____

d) Give two examples of devices used for presenting processed information. (2 marks)

i. _____

ii. _____

e) State two reasons why information needs to be stored. (2 marks)

i. _____

ii. _____

8. A learner switches on a computer and is presented with a desktop containing icons, menus and a taskbar.

a) Identify the type of user interface described above. (1 mark)

_____

b) State three features of a **Graphical User Interface (GUI)**. (3 marks)

i. _____

ii. _____

iii. _____

c) Explain three functions of an operating system. (3 marks)

i. _____

ii. _____

iii. _____

d) Distinguish between **system software** and **application software**. (2 marks)

_____

_____

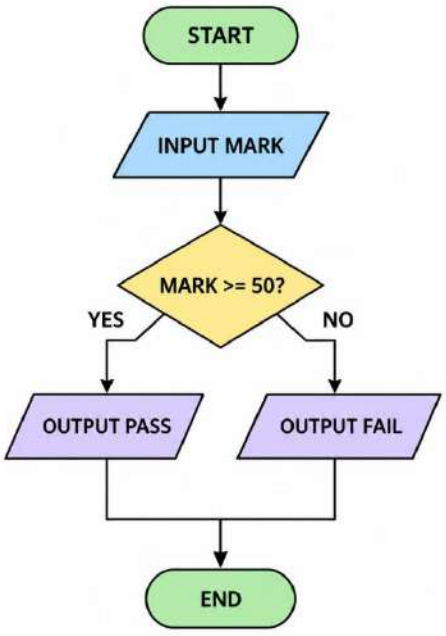
_____

e) Give one example of application software used for word processing. (1 mark)

_____

9. A school wants a program that determines whether a learner has **passed or failed** an examination. A learner passes if the mark is **50 or above**.

Study the flowchart below.



a) Identify the flowchart symbol used to represent a **decision**. _____(1 mark)

b) State the condition tested by the decision symbol. (1 mark)

_____

c) Write an algorithm in numbered steps for the process shown. (4 marks)

d) State the output if the learner scores **67 marks**. (1 mark)

e) State the output if the learner scores **42 marks**. (1 mark)

f) Explain why algorithms are important when developing computer programs. (2 marks)

10. Consider the following pseudocode:

```
BEGIN
    INPUT number
    IF number > 0 THEN
        OUTPUT "Positive"
    ELSE IF number < 0 THEN
        OUTPUT "Negative"
    ELSE
        OUTPUT "Zero"
    ENDIF
END
```

a) Identify the input variable in the pseudocode. (1 mark)

b) Identify the control structure used in the pseudocode. (1 mark)

c) State the output when the value entered is **25**. (1 mark)

d) State the output when the value entered is **-8**. (1 mark)

_____

_____

e) State the output when the value entered is **0**. (1 mark)

_____

f) Explain the purpose of an **IF...ELSE** statement in programming. (2 marks)

_____

_____

_____

g) State three common errors that may occur when writing a computer program. (3 marks)

i. _____

ii. _____

iii. _____

11. A school has twenty computers in one laboratory. The computers are connected so that learners can share files and a printer. The network is also connected to the Internet.

a) Identify the type of network most suitable for the computer laboratory. (1 mark)

_____

b) Give two advantages of networking the computers. (2 marks)

i. _____

ii. _____

c) Explain the function of a **network switch** in the laboratory. (2 marks)

_____

_____

_____

d) Explain the function of a **router** when connecting the school network to the Internet. (2 marks)

_____

_____

_____

e) State three practices that can help protect the school's network from unauthorised access. (3 marks)

i. _____

ii. _____

iii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSESSMENT 2026

GRADE 10 – CORE MATHEMATICS
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your full name in the space provided above.
2. Indicate your school, stream, admission number, and date clearly.
3. This paper has **TWO sections: A and B**.
4. Attempt **ALL questions** in both sections.
5. Show all working clearly where necessary.
6. Write all answers in the spaces provided.
7. Do NOT remove any page from this paper.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. **Without using a calculator, simplify the following expression, leaving your answer in exact index form:**

$$81^{-1} \times 2^{-3} \div \left(27^{-\frac{3}{2}} \times 16^{\frac{4}{3}}\right)$$

(5 marks)

2. **Using four-figure logarithm tables, evaluate the following calculation correct to 4 significant figures:**

$$\frac{3672.3}{0.0456 \times (18.42)^2}$$

(5 marks)

3. **Two position vectors are given on a Cartesian plane as**

$$\overrightarrow{OA} = \begin{pmatrix} -3 \\ 4 \end{pmatrix} \quad \text{and} \quad \overrightarrow{OB} = \begin{pmatrix} 9 \\ -12 \end{pmatrix}.$$

(a) Find the magnitude of vector $\overrightarrow{AB}$.

(b) Determine the position vector of point M, which is the midpoint of segment AB. **(5 marks)**

4. A triangular plot of land PQR has side lengths**(5 marks)**

$$PQ = 13 \text{ m}, \qquad QR = 14 \text{ m}, \qquad PR = 15 \text{ m}.$$

(a) Calculate the exact area of the triangular plot PQR using **Heron's Formula**.

(b) Hence, find the acute included angle $\angle PQR$, giving your answer correct to **2 decimal places**.

5. A triangle T has vertices

$$A(1,2), \qquad B(4,2), \qquad C(1,6).$$

The triangle is rotated through $90°$ **counterclockwise** about the centre of rotation

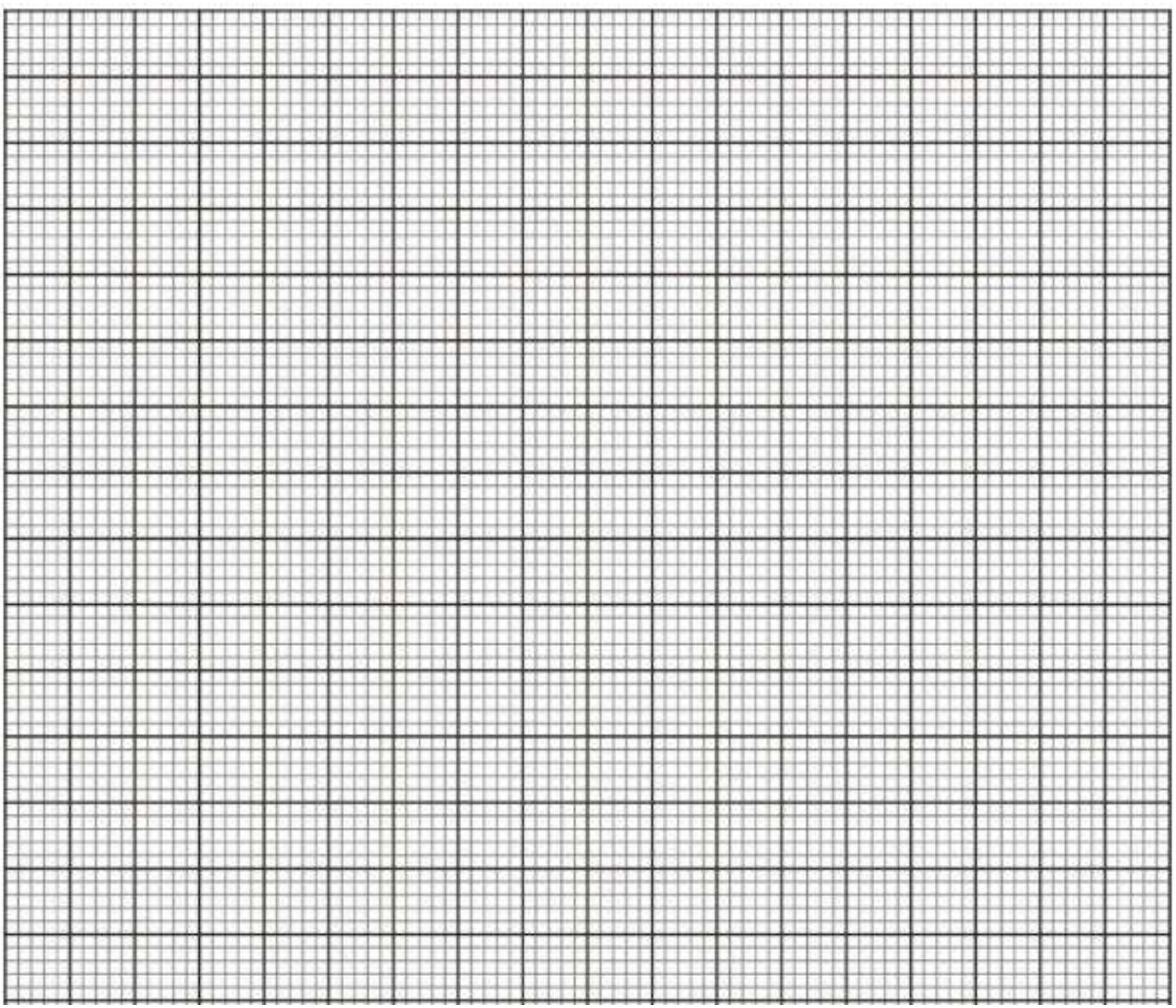
$$P(2,-1)$$

to form triangle T'.

Determine the exact coordinates of the image vertices

$$A', \quad B', \quad C'.$$

(5 marks)



6. **Bag A contains 4 red marbles and 6 blue marbles. Bag B contains 5 red marbles and 3 blue marbles.**

A fair six-sided die is rolled. If a **prime number** appears, a marble is drawn at random from Bag A. Otherwise, a marble is drawn from Bag B. **(5 marks)**

(a) Draw a **fully labelled tree diagram** to represent this probability space.

(b) Calculate the probability of selecting a **red marble**.

SECTION B — 50 MARKS

Answer ALL questions in this section. Show all working clearly.

7. Triangle XYZ has coordinates

$$X(2,3), \qquad Y(5,4), \qquad Z(3,7).$$

(a) Triangle $X'Y'Z'$ is the image of triangle XYZ under reflection in the mirror line

$$L: y = 2x - 1.$$

Determine the coordinates of X'. **(4 marks)**

(b) A second transformation enlarges triangle $X'Y'Z'$ with centre of enlargement at

$$(0,0)$$

and linear scale factor

$$k = -2$$

to form triangle $X''Y''Z''$.

State the coordinates of Y'' and Z''. **(3 marks)**

(c) Determine whether triangle XYZ is congruent to triangle $X''Y''Z''$.

Give a mathematical explanation using **congruence properties and scale factors. (3 marks)**

8. An annular sector was formed by two concentric circles with radii $R = 14$ cm and $r = 7$ cm. The sector subtends a central angle of $\theta = 120^\circ$ at the centre O. Inside the inner circle, a circular segment is formed by a chord joining the endpoints of the inner arc.

(a)

Calculate the area of the annular sector, that is, the region between the circles of radii 7 cm and 14 cm bounded by the angle 120°.

Take

$$\pi = \frac{22}{7}.$$

(3 marks)

(b)

Calculate the area of the circular segment formed by the inner circle of radius 7 cm and its chord.

Give your answer correct to **2 decimal places. (4 marks)**

(c)

Find the perimeter of the entire shaded annular-sector region. **(3 marks)**

9. The table below records the speeds, in km/h, of 50 vehicles passing a checkpoint.

Speed v (km/h)	Frequency f
$40 \le v < 50$	4
$50 \le v < 60$	9
$60 \le v < 70$	16
$70 \le v < 80$	12
$80 \le v < 90$	6
$90 \le v < 100$	3
Total	**50**

(a)

(b) Construct a table showing the cumulative frequency and mid-interval value for each class. (2 marks)

(c) Calculate the estimated mean speed of the vehicles using the assumed mean

$$A = 65.$$

(4 marks)

(d) Determine the modal class and calculate the median speed using the interpolation formula. (4 marks)

10. **A vessel moves from port O such that its position vector relative to O, at time t hours, is given by $\boldsymbol{r}(t) = \begin{pmatrix} 3t-2 \\ 4t+1 \end{pmatrix}$ nautical miles.**

(a) Find the displacement vector of the vessel between $t = 1$ hour and $t = 4$ hours. (2 marks)

(b)

Calculate the speed of the vessel during this interval. **(3 marks)**

(c)

A second vessel starts at position $P_0 = \begin{pmatrix} 10 \\ 25 \end{pmatrix}$ and moves with a constant velocity vector $\boldsymbol{v}_2 = \begin{pmatrix} -1 \\ 2 \end{pmatrix}$ knots.

Determine whether, and at what time t, the paths of the two vessels intersect. **(5 marks)**

11. A closed right triangular prism has a length of

$$(x + 5)\ \text{cm}.$$

The cross-section of the prism is a right-angled triangle with perpendicular legs measuring x cm and $(x - 1)$ cm.

(a)

Show that the hypotenuse of the right-angled triangular cross-section is

$$\sqrt{2x^2 - 2x + 1}\ \text{cm}.$$

(2 marks)

(b)

Form a simplified expression, in terms of x, for the **total surface area** S of the prism. **(4 marks)**

(c) The total surface area of the prism is $132\ \text{cm}^2$. For the purposes of this question, use the given effective linear-perimeter approximation, which produces the quadratic equation

$$2x^2 + 7x - 99 = 0.$$

Solve the quadratic equation to find the **valid value of** x.

Hence, determine the **exact volume** of the prism. **(4 marks)**

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – CHRISTIAN RELIGIOUS EDUCATION

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1.

a) State **two ways** in which Christians understand the Bible as the Word of God. **(2 marks)**

i. _____

ii. _____

b) Explain **two ways** in which biblical teachings can influence the conduct of a learner. **(2 marks)**

i. _____

ii. _____

c) Give **one reason** why Christians should relate biblical teachings to situations in contemporary society. **(1 mark)**

_____

_____

_____

2.

a) State **two ways** in which human beings demonstrate stewardship of God's creation. **(2 marks)**

i. _____

ii. _____

b) Explain **two effects** of environmental destruction on human life. **(2 marks)**

i. _____

ii. _____

c) Give **one Christian teaching** that encourages people to care for creation. **(1 mark)**

_____

_____

_____

3.

a) Identify **two factors** that may lead young people into temptation. **(2 marks)**

i. _____

ii. _____

b) Explain **two consequences** of persistent sinful behaviour. **(2 marks)**

i. _____

ii. _____

c) State **one way** through which a Christian can demonstrate genuine repentance. **(1 mark)**

_____

_____

_____

4.

a) State **two purposes of prayer** in Christian life. **(2 marks)**

i. _____

ii. _____

b) Explain **two ways** prayer can help Christians when facing challenges. **(2 marks)**

i. _____

ii. _____

c) Give **one reason** why Christians should combine prayer with responsible action. **(1 mark)**

_____

_____

_____

5.

a) Name **two values** demonstrated by Jesus Christ in his interaction with other people. **(2 marks)**

i. _____

ii. _____

b) Explain **two ways** Christians can practise the values identified in part (a) in their school community. **(2 marks)**

i. _____

ii. _____

c) State **one benefit** of following the example of Jesus Christ. **(1 mark)**

_____

_____

6.

Two learners disagree over the leadership of a school project. The disagreement becomes hostile and begins to affect other members of the group.

a) Identify **two Christian values** that could help resolve the conflict. **(2 marks)**

i. _____

ii. _____

b) Explain **two peaceful methods** the learners could use to resolve their disagreement. **(2 marks)**

i. _____

ii. _____

c) State **one danger** of allowing unresolved conflict to continue. **(1 mark)**

_____

_____

SECTION B: 50 MARKS

Answer ALL questions.

7.

Read the situation below and answer the questions that follow.

A learner receives a message on social media containing embarrassing information about another learner. Several friends encourage the learner to forward the message to other students. The learner knows that forwarding it could cause serious embarrassment but is afraid of being left out by friends.

a) Identify **two moral issues** involved in the situation. **(2 marks)**

i. _____

ii. _____

b) Explain **three Christian values** that should guide the learner's decision. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Describe **three actions** the learner should take in dealing with the message. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **two consequences** of spreading harmful information about another person. **(2 marks)**

i. _____
ii. _____

8.

Jesus taught his followers to demonstrate love through practical service to others.

a) State **four ways** Christians can demonstrate love for their neighbours. **(4 marks)**

i. _____
ii. _____
iii. _____
iv. _____

b) Explain **three ways** Christian service can improve the lives of vulnerable members of society. **(3 marks)**

i. _____
ii. _____
iii. _____

c) State **three benefits** of serving others without discrimination. (3 marks)

i. _____
ii. _____
iii. _____

9.

A family notices that communication between parents and children has become difficult. The children spend most of their free time on digital devices, while the parents feel that their concerns are being ignored.

a) State **three causes** of poor communication within families. **(3 marks)**

i. _____
ii. _____
iii. _____

b) Explain **three ways** Christian values can strengthen relationships between parents and children. **(3 marks)**

i. _____
ii. _____
iii. _____

c) Suggest **two practical measures** the family can take to improve communication. **(2 marks)**

i. _____
ii. _____

d) State **two benefits** of effective communication in a family. **(2 marks)**

i. _____
ii. _____

10.

A student leader has been given money to purchase materials for a school activity. The leader discovers that the supplier has offered a personal financial reward if the leader chooses the supplier, even though another supplier offers better value.

a) Identify **two forms of unethical behaviour** presented in the situation. **(2 marks)**

i. _____
ii. _____

b) Explain **three Christian principles** that should guide the student leader. **(3 marks)**

i. _____
ii. _____
iii. _____

c) Describe **three actions** the leader should take to demonstrate integrity. **(3 marks)**

i. _____
ii. _____
iii. _____

d) State **two benefits** of honest leadership in a school or community. **(2 marks)**

i. _____
ii. _____

11.

Young people today face challenges such as peer pressure, substance abuse, cyberbullying, corruption, unemployment, violence and environmental degradation.

a) Identify **four challenges** facing young people that require a Christian response. **(4 marks)**

i. _____
ii. _____
iii. _____
iv. _____

b) Explain **three ways** Christian teachings can help young people resist negative peer pressure. **(3 marks)**

i. _____
ii. _____
iii. _____

c) Suggest **three practical ways** young Christians can contribute to solving problems in their communities. **(3 marks)**

i. _____

ii. _____

iii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – COMMUNITY SERVICE LEARNING

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1.

a) What is meant by **community development**? **(2 marks)**

_____

_____

b) State **two ways** Community Service Learning can contribute to community development. **(2 marks)**

i. _____

ii. _____

2.

A group of learners observes that many young people in their community spend most of their free time without engaging in productive activities.

a) Identify **one community problem** illustrated by the situation. **(1 mark)**

_____
_____

b) State **two possible causes** of the problem. **(2 marks)**

i. _____

ii. _____

c) Suggest **one CSL activity** that could help address the problem. **(1 mark)**

_____
_____

3.

a) What is a **community resource**? **(1 mark)**

_____
_____

b) Give **three examples of resources** that may be available in a community. **(3 marks)**

i. _____

ii. _____

iii. _____

4.

a) Define **empathy**. **(2 marks)**

_____
_____

b) State **two ways** a learner can demonstrate respect when working with community members. **(2 marks)**

i. _____

ii. _____

5.

a) State **two methods of communication** that can be used when organising a community service project. **(2 marks)**

i. _____

ii. _____

b) Give **one reason** why effective communication is important in CSL. **(1 mark)**

_____
_____

6.

Before starting a community clean-up project, learners inspect the area and notice broken glass, exposed wires and stagnant water.

a) Identify **two risks** in the situation. **(2 marks)**

i. _____

ii. _____

b) State **two safety measures** learners should take. **(2 marks)**

i. _____

ii. _____

7.

a) State **two questions** a learner may ask themselves when reflecting on a completed CSL activity. **(2 marks)**

i. _____

ii. _____

b) State **one importance of reflection** in Community Service Learning. **(1 mark)**

_____
_____

SECTION B: 50 MARKS

Answer ALL questions in this section.

8.

Your school wants Grade 10 learners to develop a project that will address poor waste management in the community surrounding the school.

a) Identify **two methods** learners could use to collect information about waste-management problems. **(2 marks)**

i. _____

ii. _____

b) State **three questions** learners could ask community members during the needs assessment. **(3 marks)**

i. _____

ii. _____

iii. _____

c) State **three objectives** that could guide the proposed project. **(3 marks)**

i. _____

ii. _____

iii. _____

d) Identify **two stakeholders** who should be consulted before implementing the project. **(2 marks)**

i. _____

ii. _____

9.

A group of Grade 10 learners identifies elderly people living alone in their community. Some of the elderly people have difficulty obtaining basic necessities and maintaining their surroundings. The learners decide to develop a service project to support them.

a) Identify **two needs** of the elderly people from the case study. **(2 marks)**

i. _____

ii. _____

b) Suggest **three appropriate service activities** learners could undertake. **(3 marks)**

i. _____

ii. _____

iii. _____

c) State **two values** learners should demonstrate while working with the elderly. **(2 marks)**
i. _____

ii. _____

d) Explain **two precautions** learners should observe when providing assistance to vulnerable people. **(2 marks)**

i. _____

ii. _____

e) State **one possible benefit** of the project to the learners. **(1 mark)**

_____
_____

10.

During a tree-planting project, the learners realise that they have fewer seedlings than expected. Some members suggest cancelling the activity, while others suggest changing the project plan.

a) Identify **two possible causes** of the shortage of seedlings. **(2 marks)**

i. _____

ii. _____

b) State **three possible solutions** to the problem. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Identify **two qualities** that would help the project leader make an appropriate decision. **(2 marks)**

i. _____

ii. _____

d) Explain **two reasons** why learners should consider alternative solutions before making a final decision. **(2 marks)**

i. _____

ii. _____

e) State **one lesson** learners can gain from experiencing such a challenge. **(1 mark)**

_____
_____

11.

A CSL group receives money and materials from community members to support a school sanitation project. After purchasing some materials, the group leader does not record all the expenditure and cannot clearly explain how some of the money was used.

a) Identify **one ethical problem** in the situation. **(1 mark)**

_____
_____

b) State **three principles of accountability** that should guide the management of project resources. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Suggest **two measures** that could prevent misuse of resources in future projects. **(2 marks)**

i. _____

ii. _____

d) Explain **two reasons** why proper record keeping is important in CSL projects. **(2 marks)**

i. _____

ii. _____

e) State **two people or groups** to whom the project team should be accountable. **(2 marks)**

i. _____

ii. _____

12.

Your class has completed a community project aimed at improving access to clean water. The project involved creating awareness about water conservation, cleaning the surroundings of a community water point and encouraging proper use of the facility.

a) State **three indicators** that could be used to evaluate the success of the project. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Give **two methods** that could be used to obtain feedback from community members. **(2 marks)**

i. _____

ii. _____

c) Suggest **two measures** that could make the project sustainable after the learners complete their activities. **(2 marks)**

i. _____

ii. _____

d) State **one challenge** that could affect the sustainability of the project. **(1 mark)**

_____
_____

e) Explain **one way** learners can use what they learned from the project in their future lives. **(1 mark)**

_____
_____

f) Why is reflection important after completing a Community Service Learning project? **(1 mark)**

_____
_____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – ELECTRICITY TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define **electric charge**. (1 mark)

_____

_____

b) State the SI unit of electric charge. _____(1 mark)

c) Name the two types of electric charge. (1 mark)

i. _____

ii. _____

2. a) What is an electrical source? (1 mark)

_____

_____

b) Name **two sources** of electrical energy commonly used in Kenya. (2 marks)

i. _____

ii. _____

3. a) State the purpose of insulation around an electrical conductor. (1 mark)

_____

_____

b) Give **two materials** commonly used for insulating electrical conductors. (2 marks)

i. _____

ii. _____

4. a) Define potential difference. (1 mark)

_____

_____

b) State its SI unit. (1 mark)

_____

_____

c) Name the instrument used to measure potential difference. (1 mark)

_____

5. A resistor has a resistance of **6 Ω** and carries a current of **2 A**.

a) Write the formula relating voltage, current and resistance. (1 mark)

b) Calculate the potential difference across the resistor. (2 marks)

6. State the function of each of the following:

a) Resistor. (1 mark)

_____

_____

b) Capacitor. (1 mark)

_____

_____

c) Switch. (1 mark)

_____

_____

7. a) What is a short circuit? (1 mark)

_____

_____

b) State **two possible causes** of short circuits in electrical installations. (2 marks)

_____

_____

8. a) State one effect produced when electric current flows through a conductor. (1 mark)

_____

_____

b) Name the device that uses the magnetic effect of electric current to produce mechanical motion. (1 mark)

_____

_____

c) Give one application of such a device. (1 mark)

_____

_____

9. An electrical appliance operates at **240 V** and draws a current of **5 A**.

a) Write the formula for electrical power. (1 mark)

_____

_____

b) Calculate the power rating of the appliance. (2 marks)

10. State **three reasons** why electrical installations should be properly earthed. **(3 marks)**

i. _____

ii. _____

iii. _____

SECTION B: 50 MARKS

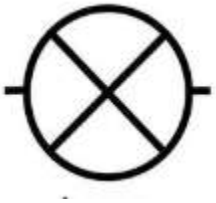
Answer ALL questions.

11. Study the simplified diagrams below.

A B C







a) Identify component **A**._____ (1 mark)

b) Identify component **B**._____ (1 mark)

c) Identify component **C**._____ (1 mark)

d) State one function of component A. (1 mark)

_____

_____

e) State one function of component B. (1 mark)

_____

_____

f) State one function of component C. (1 mark)

_____

_____

g) Explain why a resistor is used in an electrical circuit. (2 marks)

_____

_____

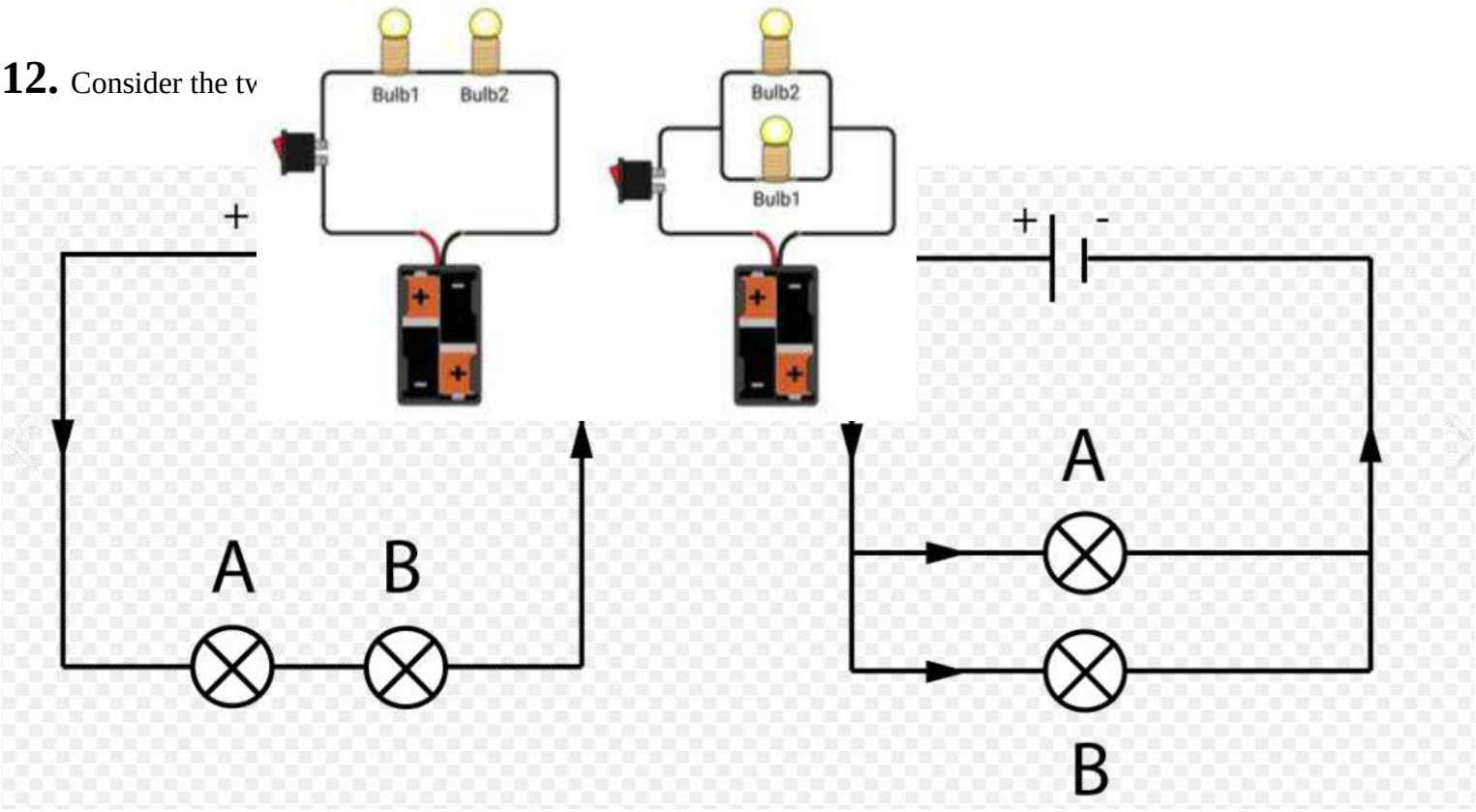
h) State **one safety precaution** when replacing a faulty electrical component. (1 mark)

i) State the unit used to measure resistance. (1 mark)

_____

_____

12. Consider the tv



Arrangement A **Arrangement B**

a) Identify arrangement A._____ (1 mark)

b) Identify arrangement B. _____(1 mark)

c) State **two characteristics** of a arrangement A. (2 marks)

i. _____

ii. _____

d) State **two characteristics** of arrangement B. (2 marks)

i. _____

ii. _____

e) Explain why domestic lighting circuits are normally connected in parallel. (2 marks)

_____

_____

f) What happens to L2 in arrangement A if L1 develops an open circuit? (1 mark)

_____

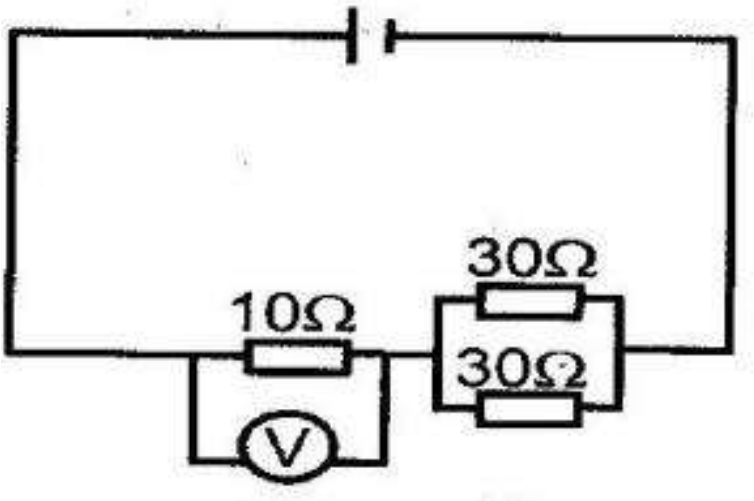
_____

g) What happens to L2 in arrangement B if L1 develops an open circuit? (1 mark)

_____

_____

13. The cell in the figure below has an emf of 2.1V and negligible internal resistance.



a) Determine the

i. Total resistance in the circuit (2 marks)

ii. Current in the circuit (1 mark)

iii. Reading on the voltmeter (2 marks)

b) Explain why an ammeter is connected in series. (2 marks)

_____

_____

c) Explain why a voltmeter is connected in parallel. (2 marks)

_____

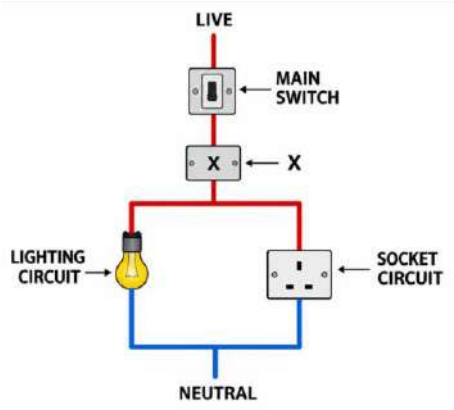
_____

d) State one precaution when taking electrical measurements. (1 mark)

_____

_____

14. Study the simplified domestic installation arrangement below.



a) Identify the device labelled **X**. (1 mark)

_____

b) State the main function of the parts you have identified in 14(a) above. (2 marks)

_____

_____

c) Explain what happens when the current flowing through a protected circuit becomes excessively high. (2 marks)

_____

_____

d) State **two advantages** of using an MCB instead of a conventional fuse. (2 marks)

i. _____

ii. _____

e) State **three precautions** that should be observed when carrying out domestic electrical installation work. (3 marks)

i. _____

ii. _____

iii. _____

15. A school workshop operates the following appliances:

Appliance	Power Rating	Daily Operating Time
Electric kettle	2,000 W	1 hour
Drill	750 W	2 hours
Lighting	500 W	6 hours

Assume the workshop operates for **5 days**.

a) Calculate the energy consumed by the electric kettle in one day in **kWh**. (2 marks)

b) Calculate the energy consumed by the drill in one day in **kWh**. (2 marks)

c) Calculate the energy consumed by the lighting system in one day in **kWh**. (2 marks)

d) Calculate the **total electrical energy consumed by all three appliances in five days**. (3 marks)

e) State **one practical measure** the school could take to reduce electricity consumption. (1 mark)

_____

_____



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – ENGLISH
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Answer **ALL** questions.
2. Write your answers clearly in the spaces provided.
3. Read each question carefully before answering.
4. Give complete and grammatically correct answers where required.
5. This examination consists of **TWO sections**:
   - **Section A: Reading and Comprehension – 30 marks**
   - **Section B: Grammar and Functional Writing – 50 marks**

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	A	B	C	D	E	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	10 MARKS	20 MARKS	25 MARKS	5 MARKS	20 MARKS		90–100	75–89	58–74	41–57	31–40	21–30	11–20	1–10
POINTS							8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE														

SECTION A: 30 MARKS

1: Identify the **underlined word** in each sentence and state the part of speech it represents. **(5 marks)**

a) The students worked **<u>diligently</u>** throughout the examination. _____.

b) **<u>Although</u>** it was raining, the team continued with the match. _____.

c) The teacher gave **<u>them</u>** an additional exercise. _____.

d) The carpenter made a **<u>beautiful</u>** table. _____.

e) The children walked **<u>through</u>** the narrow corridor. _____.

2: Rewrite each sentence correctly by choosing the appropriate form of the verb in brackets. **(5 marks)**

a) Neither the teacher nor the students **(was/were)** ready for the inspection.

_____

b) The basket of oranges **(is/are)** on the table.

_____

c) Each of the candidates **(has/have)** submitted the assignment.

_____

d) The news from the school **(was/were)** encouraging.

_____

e) My brother and his friend **(plays/play)** football every Saturday.

_____

3: Complete each sentence using the correct form of the verb in brackets. **(5 marks)**

a) By the time the bus arrived, we _____ the station. (leave)

b) She _____ her homework when the lights went off. (do)

c) The students _____ the project next week. (complete)

d) I _____ this book twice since January. (read)

e) When I reached home yesterday, my mother _____ dinner. (prepare)

4: Rewrite each sentence by supplying an appropriate pronoun or determiner in the blank. **(5 marks)**

a) Jane and I completed the work by _____.

b) The teacher asked John whether the bag belonged to _____.

c) There isn't _____ water left in the tank.

d) _____ of the two boys received a certificate.

e) The children forgot _____ books at home.

5: Fill in each blank with an appropriate **preposition or conjunction**. **(5 marks)**

a) The meeting begins _____ 8.00 a.m.

b) We stayed indoors _____ it was raining heavily.

c) The prefect walked _____ the classroom and addressed the students.

d) You will succeed _____ you work hard.

e) The teacher was pleased _____ the students' performance.

6: Rewrite each sentence according to the instructions given without changing its meaning. **(5 marks)**

a) The boy is too young to drive a car.
Begin: **The boy is so...**

_____

b) "I have completed my assignment," Mary said.
Rewrite in reported speech.

_____

c) Despite being tired, the athlete continued running.
Begin: **Although...**

_____

d) The teacher praised the student because he had worked hard.
Begin: **Having...**

_____

e) It is possible that John will win the competition.
Rewrite using **may**.

_____

SECTION B:– 50 MARKS

7: The paragraph below contains **ten grammatical errors**. Rewrite it correctly.

Last Monday, our class were preparing for an educational trip. The teacher tell us that each student must brings enough food and water. Neither the students nor the teacher were willing to arrive late. When the bus arrived, everyone have boarded quickly. Our guide, who were a very experienced man, welcomed us warmly. He advised us to listened carefully and obey all the instructions.

(10 marks)

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

8: Rewrite the following sentences in the **passive voice**. **(5 marks)**

a) The students cleaned the laboratory after the experiment.

_____

b) The school will organize a cultural day next month.

_____

c) The prefect has announced the examination timetable.

_____

d) The carpenter was repairing the broken desk.

_____

e) The committee had approved the proposal before the meeting ended.

_____
_____

9: Rewrite the following sentences in **reported speech**. **(5 marks)**

a) “I am studying for my examination,” Peter said.

_____

b) “We shall visit the museum tomorrow,” the students said.

_____

c) “Do you understand the instructions?” the teacher asked me.

_____

d) “Please close the window,” the teacher told Brian.

_____

e) “Why did you arrive late?” the principal asked the student.

_____
_____

10: Complete or transform the following sentences as instructed. **(5 marks)**

a) If you work hard, you _____ the examination. (pass)

b) If I had enough money, I _____ a new computer. (buy)

c) If they had left early, they _____ the train. (catch)

d) Rewrite using **unless**:

You will fail if you do not revise adequately.

_____

e) Rewrite as a third conditional sentence:

She did not carry an umbrella, so she got wet.

_____

11: Join each pair of sentences using an appropriate **relative pronoun**. **(5 marks)**

a) The woman is our new principal. She addressed the students yesterday.

_____

b) I borrowed a book from the library. The book is very interesting.

_____

c) The boy won the scholarship. His father is a farmer.

_____

d) We visited a school. The school has modern laboratories.

_____

e) I met a teacher. You recommended the teacher to me.

_____

12: Rewrite the following passage correctly, using appropriate **capital letters and punctuation marks**.

last friday our english teacher said students you should prepare yourselves for the end of year examination she then asked who among you has revised all the topics peter replied i have revised most of them but i need more practice

(5 marks)

_____

_____

_____

_____

_____

13: Follow the instructions given in each item. **(5 marks)**

a) Combine the sentences using **not only...but also**:

The candidate was intelligent. The candidate was hardworking.

_____

b) Begin with **Hardly**:

The bell had rung when the students entered the classroom.

_____

c) Rewrite using **too...to**:

The box is so heavy that the child cannot lift it.

_____

d) Begin with **No sooner**:

The teacher entered the room than the students became quiet.

_____

e) Rewrite using **unless**:

You cannot enter the laboratory if you do not have permission.

_____

Cloze Test (5 marks)

14: Read the passage below and fill in each blank with an appropriate word.

Education plays an important role _____ (a) the development of an individual. A learner who is committed _____ (b) his or her studies is likely to perform well. Success does not come _____ (c) hard work and discipline. Students should therefore make good use _____ (d) their time and avoid activities that interfere _____ (e) their studies.

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – ESSENTIAL MATHEMATICS
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your full name in the space provided above.
2. Indicate your school, stream, admission number, and date clearly.
3. This paper has **TWO sections: A and B**.
4. Attempt **ALL questions** in both sections.
5. Show all working clearly where necessary.
6. Write all answers in the spaces provided.
7. Do NOT remove any page from this paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. (a) Without using a calculator, simplify the following expression into a single fraction in its lowest terms:

$$\frac{-2.4\times(-1.5)+\frac{3}{5}}{\left(\frac{1}{2}\right)^{-3}\div 4}$$

[3 marks]

(b) Use a calculator to determine the reciprocal of 0.0325, giving your answer correct to 4 significant figures. [2 marks]

2. (a) Solve for x in the exponential equation:

$9^{x+1} \times 3^{x-2} = 27^{2x-1}$ **[3 marks]**

(b) Determine whether $\sqrt{18} \times \sqrt{2}$ is a rational **or** irrational **number.**

Show complete working to justify your answer. **[2 marks]**

3. A solid conical decorative piece has a base radius of 6 cm and a slant height of 10 cm.

(a) Calculate the total surface area of the cone in terms of π. [2 marks]

(b) Calculate the exact volume of the cone in terms of π. [3 marks]

4. Point $A(3, -2)$ is reflected across the mirror line $y = x$ to obtain point A'. Point A' is then reflected across the line $x = -1$ to obtain point A''. Determine the **final coordinates** of point A''. **[5 marks]**

5. In $\triangle PQR$, $PQ = 14$ cm, $PR = 9$ cm and the included angle $\angle QPR = 42°$.

Calculate the area of $\triangle PQR$, giving your final answer correct to **2 decimal places**. **[5 marks]**

6. A bag contains:

i 4 red marbles,
ii 5 blue marbles, and
iii 3 Green marbles.

Two marbles are drawn sequentially from the bag **without replacement**. Calculate the probability of drawing **one red marble and one blue marble in any order**. **[5 marks]**

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. (a) A trader bought a laptop in the United States for USD 650.

On the day of purchase, the exchange rate was

$$1 \text{ USD} = 135.50 \text{ KES}.$$

The trader paid an import tax of 15% of the cost price in Kenya Shillings.

Calculate the **total cost of importing the laptop into Kenya**, in KES. **[4 marks]**

(b) The trader plans to sell the laptop in Kenya at a net profit margin of 20% on the total cost, including import tax.

Calculate the selling price of the laptop in KES. **[3 marks]**

If a customer pays for the laptop in Euros, given that $1 \text{ EUR} = 145.20 \text{ KES}$, calculate the amount the customer pays in Euros.
Give your answer correct to **2 decimal places**. **[3 marks]**

8. (a) Solve the following quadratic equation by factorisation:

$$6x^2 - 11x - 35 = 0$$

[4 marks]

(b) A rectangular garden plot has a length that is 7 m longer than its width.

Let the original width be w metres.

The original length is therefore

$$(w + 7) \text{ m}.$$

If the length is reduced by 2 m and the width is doubled, the area of the new rectangular plot increases by 88 m^2.

(i) Formulate a quadratic equation in terms of the original width w. [3 marks]

(ii) Solve the quadratic equation to determine the original dimensions of the garden. [3 marks]

9. Two geometrically similar solid pyramids, **Pyramid S** and **Pyramid L**, have base areas of $45\ \text{cm}^2$ and $180\ \text{cm}^2$ respectively.

(a) Find the area scale factor from Pyramid S to Pyramid L, giving your answer in its simplest form. [2 marks]

(b) Deduce the corresponding linear scale factor from Pyramid S to Pyramid L. [2 marks]

(c) If the height of Pyramid L is 24 cm, calculate the height of Pyramid S. [3 marks]

(d) Pyramid S has a volume of $120\ cm^3$.

Calculate: **[3 marks]**

(i) the volume of Pyramid L; and

(ii) the capacity of Pyramid L in litres.

10. A surveyor standing at ground level at point X observes the top of a vertical tower T at an angle of elevation of $32°$.

The surveyor then walks 40 m directly towards the base of the tower to point Y. From Y, the angle of elevation to the top of the tower increases to $54°$.

(a) Draw a clearly labelled diagram showing:

- point X;
- point Y;
- the base of the tower B;
- the top of the tower T;
- the 40 m distance between X and Y;
- the height h of the tower; and
- the angles of elevation $32°$ and $54°$.

[3 marks]

(b) Let

$$YB = d \text{ m}.$$

Formulate **two trigonometric equations** involving h and d.

Hence, calculate the height h of the tower, correct to **2 decimal places**. **[5 marks]**

(c) Calculate the direct distance from point *X* to the top of the tower *T*, correct to 2 decimal places.

[2 marks]

11. The table below shows the marks obtained by **40 Grade 10 students** in a Mathematics assessment test.

Mark Range	Frequency f
$10 - 19$	4
$20 - 29$	7
$30 - 39$	12
$40 - 49$	11
$50 - 59$	6
Total	**40**

(a) Construct a complete frequency distribution table showing:

- Mark range;
- Midpoint x;
- Frequency f;
- Product fx;
- Cumulative frequency cf.

[3 marks]

(b) Calculate the estimated mean mark of the distribution.

[3 marks]

(c) Two students are chosen at random from the class, one after another, without replacement.

Calculate the probability that:

(i) both students scored **30 marks or more**; **[2 marks]**

(ii) one student scored in the $10 - 19$ range and the other student scored in the $50 - 59$ range. **[2 marks]**

ELIMU MSINGI INAYOENDANA NA UMAHIRI (CBE)



TATHMINI YA SHULE ZA SEKONDARI (DARAJA LA JUU)

TATHMINI YA DISEMBA – 2026

GREDI YA 10 – FASIHI YA KISWAHILI

Muda: Saa 2

TAARIFA ZA MTAHINIWA

JINA: _____ **SHULE:** _____

DARASA: _____ **NAMBARI YA MTIHANI:** _____

TAREHE: _____ **SAINI:** _____

MAELEKEZO KWA WATAHINIWA

1. Andika jina lako na taarifa zote muhimu katika nafasi ulizopewa.
2. Karatasi hii ina sehemu mbili: **A na B**.
3. Jibu maswali yote katika sehemu zote mbili.
4. Tumia lugha ya Kiswahili sanifu katika majibu yako.
5. Andika majibu yako katika nafasi ulizoachiwa.
6. Usiondoe ukurasa wowote wa karatasi hii.

KWA MATUMIZI RASMI PEKEE (MATUMIZI YA MTAHINI)

SEHEMU	SEHEMU A	SEHEMU B	ASILIMIA (%)	KUZ 1	KUZ 2	KUF1	KUF2	KUK1	KUK2	CHI1	CHI2
WIGO LA ALAMA	ALAMA 50	ALAMA 20		90–100	75–89	58–74	41–57	31–40	21–30	11–20	1–10
POINTI				POINTI 8	POINTI 7	POINTI 6	POINTI 5	POINTI 4	POINTI 3	POINTI 2	POINTI 1
JUMLA YA ALAMA ZA MWANAFUNZI											

SEHEMU A: FASIHI SIMULIZI (Alama 20)

Soma kifungu kifuatacho cha Fasihi Simulizi kwa makini kisha ujibu maswali yanayofuata.

Hapo zamani za kale, katika msitu mkubwa uliokuwa umezungukwa na milima na mabonde, waliishi wanyama wengi. Miongoni mwa wanyama hao walikuwa **Kinyonga na Sungura**, ambao walikuwa marafiki wa karibu. Wanyama wengine walimjua Sungura kwa ujanja wake na kwa kujivunia kuwa yeye ndiye mnyama mwenye kasi zaidi msituni. Kinyonga, kwa upande mwingine, alikuwa mtulivu, mwenye subira na mwenye kutumia akili kabla ya kufanya jambo.

Siku moja, wanyama walikusanyika chini ya mti mkubwa baada ya shughuli zao za kila siku. Sungura alianza kujigamba mbele ya wanyama wenzake.

“Hakuna mnyama yeyote katika msitu huu anayeweza kunishinda kwa mbio. Mimi nikianza kukimbia, hata upepo hushindwa kunifikia!” Sungura alisema huku akicheka kwa majivuno.

Wanyama wengine walicheka, huku Kinyonga akimtazama kwa utulivu. Kisha Kinyonga akasema:

“Kasi si kila kitu maishani. Wakati mwingine akili na subira humsaidia mtu kufikia lengo kuliko nguvu.”

Sungura alikasirika kusikia maneno hayo.

“Wewe Kinyonga? Unataka kushindana nami kwa mbio? Hata kabla hujaanza, nitakuwa nimefika mwisho wa mashindano!” alisema kwa dharau.

Wanyama walipoona mvutano huo, walipendekeza wafanye mashindano ili kubaini ukweli. Waliweka mstari wa kuanzia na mwingine wa kumalizia karibu na mto uliokuwa upande wa pili wa msitu. Mzee Kobe aliteuliwa kuwa mwamuzi wa mashindano hayo.

Siku ya mashindano ilipofika, wanyama wengi walikusanyika kushuhudia. Sungura alifika mapema akiwa na furaha na kuanza kujinyoosha tayari kwa mbio. Kinyonga naye alifika kwa utulivu bila kuonyesha hofu yoyote.

Mzee Kobe alipotoa ishara ya kuanza, Sungura alikimbia kwa kasi sana. Kinyonga alianza kutembea polepole kama kawaida yake. Sungura alipokuwa mbali mbele, aligeuka na kucheka.

“Nilikwambia! Huwezi kunifikia hata kesho!” alisema.

Kinyonga hakujibu. Alijua kuwa ushindi haupatikani kwa haraka pekee bali pia kwa kutumia akili.

Kabla ya mashindano kuanza, Kinyonga alikuwa amepanga mbinu yake. Alikuwa amejishikiza kwa siri kwenye mkia wa Sungura bila Sungura kutambua. Sungura aliendelea kukimbia kwa kasi, huku Kinyonga akiwa ameshikilia mkia wake.

Walipokaribia mstari wa mwisho, Sungura aliona wanyama wakipiga kelele na kushangilia. Akafikiri kuwa alikuwa ameshinda. Alipofika kwenye mstari wa mwisho, alisimama na kugeuka nyuma ili kuwadhihirishia wanyama jinsi alivyokuwa mwepesi.

Ghafla, Kinyonga alidondoka kutoka kwenye mkia wake na kutua upande wa mbele wa mstari wa mwisho.

Wanyama wote walipiga makofi na kushangilia.

“Kinyonga ameshinda!” walipaza sauti.

Sungura alibaki ameduwaa. Hakuamini macho yake. Alikuwa ameshindwa na mnyama ambaye alikuwa amemdharau kwa sababu ya mwendo wake wa polepole.

Mzee Kobe alimwita Sungura na kumwambia:

“Mwanangu, leo umejifunza somo muhimu. Usimdharau mtu kwa sababu ya mwonekano wake au uwezo unaouona kwa macho. Kila mmoja ana kipawa chake.”

Sungura aliinama kwa aibu na kumwomba Kinyonga msamaha.

“Nimejifunza kwamba kujivuna hakunifanyi kuwa bora kuliko wengine. Kuanzia leo nitawaheshimu wanyama wenzangu,” alisema.

Kinyonga akamjibu kwa upole:

“Ushindi wa kweli si kumshinda mwingine tu, bali ni kujifunza kutokana na makosa yako.”

Tangu siku hiyo, Sungura aliacha kujivuna na kuanza kuwaheshimu wanyama wengine. Wanyama wa msituni nao walitambua kuwa **akili, unyenyekevu, subira na busara ni muhimu kuliko kujivuna kwa uwezo wa mtu.**

MASWALI

(a) Bainisha **kipera cha Fasihi Simulizi** kilichotumika katika kifungu hiki na utoe sababu moja ya jibu lako. **(Alama 2)**

.....

.....

(b) Eleza **sifa nne** za kipera ulichokitaja katika (a). **(Alama 4)**

(i) .....

(ii) .....

(iii) .....

(iv) .....

(c) Fafanua **madhumuni matatu** ya utambaji wa ngano za aina hii katika jamii. **(Alama 6)**

(i) .....

(ii) .....

(iii) .....

(d) Onyesha **njia nne** ambazo msimulizi anaweza kutumia ili kuifanya hadithi hii ivutie zaidi wakati wa uwasilishaji. **(Alama 8)**

(i) .....

(ii) .....

(iii) .....

(iv) .....

SEHEMU B: USHAIRI (Alama 20)

SWALI LA 2 –

Soma shairi lifuatalo kwa makini kisha ujibu maswali yanayofuata.

MWANGA WA KESHO

Mti uliopandwa vema, matunda mema hutoa,
Kijana aliye na wema, jamii humsifia,
Elimu ni taa njema, gizani inayoangaza,
Soma kwa bidii mwana, kesho yako kuijenga.

Siku zinasonga mbele, maisha hayatulii,
Uvivu uweke mbali, bidii ikuongoze,
Nchi inakutazama, uwe nguzo ya kesho,
Jasho la mtu hodari, mafanikio huleta.

Usikate tamaa kamwe, shida zikikufikia,
Vikwazo vitakapotokea, usirudi nyuma mwana,
Subira ikiongoza, malengo utayafikia,
Kwa moyo wa matumaini, maisha yatang'ara.

Wazazi waheshimu sana, walimu nao wasikilize,
Maarifa uyatafute, kila siku uyapate,
Vipawa vyako vitumie, kwa manufaa ya jamii,
Kesho ikiwa njema, ni matokeo ya leo.

Kijana wewe ni nguvu, taifa linakutegemea,
Kwa maarifa na juhudi, maendeleo yatazuka,
Uadilifu uwe ngao, bidii iwe mwongozo,
Jenga taifa kwa upendo, kesho itakuwa njema.

MASWALI

(a) Onyesha na ueleze muundo wa shairi hili kwa kuzingatia yafuatayo: (Alama 4)

(i) Taja idadi ya **beti** katika shairi hili na idadi ya **mishororo katika kila ubeti**. **(Alama 2)**

.....

.....

(ii) Eleza **urari wa vina** katika ubeti wa kwanza. **(Alama 2)**

.....

.....

(b) Fafanua **uhuru/ustaarabu wa mshairi** uliotumiwa katika shairi hili na utoe mifano **miwili** kutoka kwenye shairi. **(Alama 4)**

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(c) Eleza **dhamira kuu** ya mshairi katika shairi hili. **(Alama 3)**

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(d) Andika **ubeti wa kwanza** wa shairi hili kwa lugha ya nathari (lugha ya kawaida). **(Alama 4)**

.....

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.....

(e) Eleza maana ya msamiati ufuatao kama ulivyotumiwa katika shairi. **(Alama 5)**

(i) Inaangaza (Alama 1)

.....

.....

(ii) Nguzo (Alama 1)

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.....

(iii) Uvivu (Alama 1)

.....

.....

(iv) Vikwazo (Alama 1)

.....

.....

(v) Uadilifu (Alama 1)

.....

.....

SEHEMU C: TAMTHILIA (Alama 30)

SWALI LA 3:

Soma dondoo lifuatalo kisha ujibu maswali yanayofuata.

KIZITO: Siasa yenyewe huielewi, pengine ya kina mkataba...

DINCO: Kalale wewe! Mimi siwezi siasa za pesa nyeupe...
(Anaweka kibonzo kinachocha...)

KIZITO: Tumechoka na ahadi za uongo. Tuliahidiwa kazi kwa vijana wote. Leo hata waliohitimu hawana kazi. Seuze wasiohitimu!

MODE: Unasoma miaka kumi na sita na kutafuta kazi miaka kumi na sita. Ukienda kutafuta kazi unaambiwa kuwa *you are overqualified*. Wanawataka waliofika hadi chumba cha nane shuleni ndio wawalipe mshahara mdogo.

KIZITO: Huku kwetu kozi ya kutafuta kazi ndiyo kozi ngumu zaidi kuliko kazi yenyewe. Pengine mfumo mpya wa elimu unaoegemea ujuzi utatufaa zaidi.

MODE: Utazunguka na kuzunguka ukitafuta kazi kama humjui mtu.

MBUYU: Waache uvivu wafanye kazi za mikono kama uvuvi. Isitoshe, mfumo mpya wa elimu unaolenga ujuzi unanuia kutufaa kwa kusisitiza utendaji wala si ukariri wa nadharia.

MODE: *(Huku akienda miayo.)* Hatukatai, lakini nafasi za kazi zinafaa zitolewe bila mapendeleo, na kwa haki.

KIZITO: Watavua wapi kama visiwa ndiyo vyetu na maji yanayovizingira visiwa si yetu?

(a) Weka dondoo hili katika muktadha wake.

(i) Msemaji mkuu wa dondoo hili ni nani? **(Alama 2)**

.....

.....

(ii) Msemewa wa maneno haya ni nani? **(Alama 2)**

.....

.....

(iii) Eleza mazingira ambayo mazungumzo haya yalitokea. **(Alama 2)**

.....

.....

(b)

Fafanua **maudhui manne** yanayojitokeza katika dondoo hili na ueleze jinsi kila mojawapo linavyoendelezwa katika kazi nzima. **(Alama 8)**

.....

.....

(c)

Tathmini **sifa nne** za Kizito kwa kuzingatia kauli na matendo yake katika dondoo hili na mchango wake katika kazi nzima. **(Alama 8)**

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(d)

Jadili jinsi maudhui ya **umaskini na bidii** yanavyosawiriwa katika jamii ya leo. Toa mifano inayodhihirisha uhalisia wa maudhui haya. **(Alama 8)**

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SEHEMU D: (Alama 30)

SWALI LA 4:

Soma hadithi ifuatayo kasha ujibu maswali yafuatayo

Hapo zamani za hivi karibuni, katika kijiji cha Mwangaza, aliishi kijana mmoja aliyeitwa **Musa**. Musa alikuwa mtoto wa familia maskini iliyotegemea kilimo kidogo na ufugaji wa mifugo michache. Baba yake alikuwa mkulima wa kawaida huku mama yake akiuza mboga katika soko la kijiji ili kusaidia familia kupata mahitaji ya kila siku.

Musa alikuwa mwanafunzi mwenye bidii. Kila asubuhi aliamka mapema, akawasaidia wazazi wake kufanya kazi za nyumbani kabla ya kuelekea shuleni. Alitembea karibu kilomita tano kwenda shule. Licha ya uchovu, hakuruhusu hali hiyo imzuie kusoma. Mara nyingi aliwasili shuleni kabla ya wanafunzi wenzake.

Mwalimu wake, **Bi. Amina**, aligundua kuwa Musa alikuwa na kipawa kikubwa cha kujifunza. Alikuwa akimsisitiza asikate tamaa kwa sababu mazingira aliyokuwa akiishi hayakuwa kigezo cha kuamua mustakabali wake.

Siku moja, Bi. Amina aliwaambia wanafunzi kuwa shule ilikuwa imeanzisha mashindano ya kitaifa ya ubunifu. Mshindi angepata ufadhili wa masomo na vifaa vya kujifunzia. Wanafunzi wengi walifurahia habari hiyo, lakini Musa alikaa kimya.

“Kwa nini hujafurahia kama wenzako?” mwalimu aliuliza.

Musa akajibu, “Ningependa kushiriki, lakini sina vifaa vya kutengeneza mradi. Wazazi wangu hawawezi kununua vifaa hivyo.”

Bi. Amina akatabasamu na kusema, “Musa, ubunifu hauanzi na pesa. Huanzia kwenye wazo. Tumia vitu vinavyopatikana katika mazingira yako.”

Kauli hiyo ilimpa Musa moyo. Alianza kutafuta vifaa vilivyotupwa katika kijiji. Alikusanya maboksi, chupa za plastiki, vipande vya waya, makopo na mabaki ya mbao. Kwa siku kadhaa alifanya kazi bila kuchoka.

Baada ya wiki mbili, Musa alitengeneza kifaa rahisi cha kukusanya na kuhifadhi maji ya mvua. Alikiita **“Mkombozi wa Maji.”** Kifaa hicho kingesaidia familia kuhifadhi maji wakati wa mvua na kuyatumia wakati wa kiangazi.

Baadhi ya vijana wa kijiji walimcheka.

“Unadhani utabadilisha dunia kwa maboksi na chupa?” mmoja wao alimdhihaki.

Musa hakukasirika. Alijibu kwa utulivu, “Mabadiliko makubwa huanza kwa hatua ndogo.”

Siku ya mashindano ilipofika, Musa aliwasilisha mradi wake mbele ya majaji. Aliueleza kwa ujasiri na kuonyesha jinsi kifaa hicho kilivyofanya kazi. Majaji walivutiwa na ubunifu wake, hasa kwa sababu alitumia vifaa vilivyopatikana kwa urahisi.

Baada ya mashindano, jina la Musa lilitangazwa kuwa mshindi wa kwanza. Alipata ufadhili wa masomo pamoja na vifaa vya shule.

Habari hizo zilipoenea kijijini, watu waliokuwa wakimcheka hapo awali walimpongeza. Baba yake alimtazama kwa fahari na kusema, “Mwanangu, leo umetufundisha kuwa umaskini si mwisho wa ndoto.”

Mama yake naye alimkumbatia na kumwambia, “Kile ulichokosa kwa pesa umekipata kwa bidii, ubunifu na uvumilivu.”

Musa hakusahau maneno ya mwalimu wake. Aliendelea kusoma kwa bidii na kuwahamasisha vijana wengine kutumia vipawa vyao kutatua matatizo yanayowakabili katika jamii.

Miaka kadhaa baadaye, Musa akawa mhandisi aliyebuni mifumo ya gharama nafuu ya kuhifadhi maji. Alirudi katika kijiji chake na kuanzisha kituo cha kuwafundisha vijana ubunifu na ujasiriamali.

Aliposimama mbele ya vijana hao, alisema:

“Usingoje mazingira mazuri ndipo uanze kutimiza ndoto zako. Anza na ulicho nacho, tumia akili yako, fanya kazi kwa bidii na usikate tamaa.”

Maneno hayo yakawa chanzo cha matumaini kwa vijana wengi wa Mwangaza.

MASWALI

(a)

Fafanua **mbinu tano za kisanaa na kiandishi** zilizotumiwa na mwandishi katika hadithi hii. Toa mfano kutoka katika hadithi kwa kila mbinu.**(Alama 10)**

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(b)

Eleza **mgogoro mkuu** unaojitokeza katika hadithi hii. Onyesha:

i. Chanzo cha mgogoro huo.
ii. Wahusika wanaohusika.
iii. Jinsi Musa alivyokabiliana nao.
iv. Jinsi mgogoro huo ulivyotatuliwa.

(Alama 10)

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(c)

Jadili **ujumbe mitano** ambao msomaji anaweza kujifunza kutokana na tabia na matendo ya wahusika katika hadithi hii. Toa mifano kutoka katika hadithi kuunga mkono kila ujumbe. **(Alama 10)**

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KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

ENDTERM ASSESSMENT 2026

GRADE 10 – FINE ARTS
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Fill in your name, school name, your assessment number, date, the school code and signature in the spaces provided above.
2. This paper consists of two sections: A and B.
3. Answer all questions in section A and section B.
4. Answer the questions in English.
5. All answers MUST be written in the spaces provided in PAPER.
6. Do NOT remove any page from this question paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
	POINTS			8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A: (30 marks)
Answer ALL questions in this section.

1. a) Define shape **in art.** (1 mark)

_____
_____

b) State **two types of shapes** used by artists. **(2 marks)**

i. _____

ii. _____

c) Explain the difference between **shape and form**. **(2 marks)**

_____
_____

2. a) What is meant by texture **in art?** (1 mark)

_____

_____

b) Give **two examples of natural textures** that an artist may observe. **(2 marks)**

i. _____

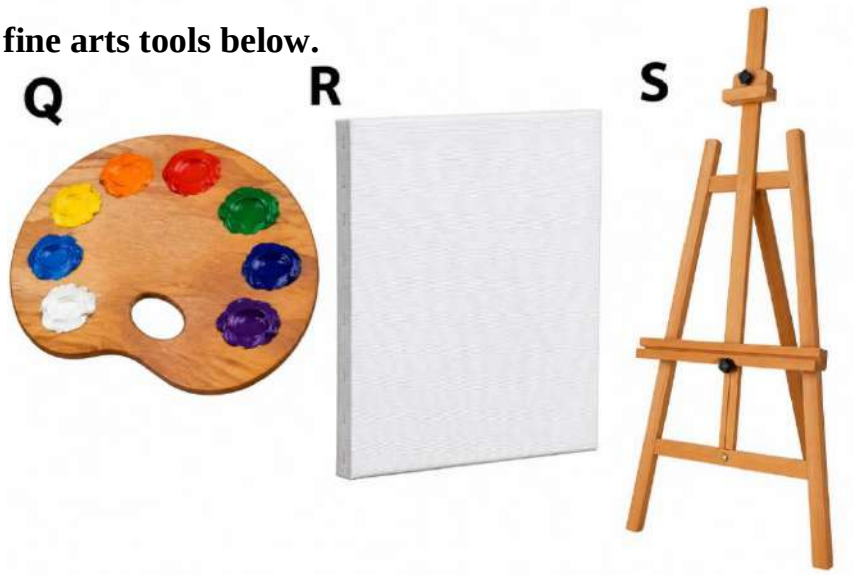
ii. _____

c) Name **two techniques** an artist can use to represent texture in a drawing or painting. **(2 marks)**

i. _____

ii. _____

3. Study the fine arts tools below.



a) Identify **three art materials or tools** that could be represented by Q, R and S. **(3 marks)**

Q: _____

R: _____

S: _____

b) State **one artistic use of any two** of the materials/tools identified. **(2 marks)**

_____

_____

4. a) What are complementary colours**?** (1 mark)

_____

_____

b) Give **two pairs of complementary colours**. **(2 marks)**

i. _____

ii. _____

c) State **two effects that complementary colours can create when placed next to each other**. **(2 marks)**

i. _____

ii. _____

5. a) Define printmaking**.** (1 mark)

_____

_____

b) Name **two printmaking techniques**. **(2 marks)**

i. _____

ii. _____

c) State **two materials that can be used to create a simple printmaking surface or block**. **(2 marks)**

i. _____

ii. _____

6. a) State one way in which the natural environment can inspire an artist**.** (1 mark)

_____

_____

b) Give **two natural materials** that may be used in artwork. **(2 marks)**

i. _____

ii. _____

c) Explain **two ways in which artists can promote environmental conservation through art**. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

7. Your teacher places a metallic cup, a bottle and a round fruit **on a table for an observational drawing exercise.**

a) State **three stages you would follow when beginning the drawing**. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Explain **two ways of representing the metallic surface of the cup**. **(2 marks)**

i. _____

ii. _____

c) Name **three tonal areas** that may be observed when an object is illuminated by a light source. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **two reasons why an artist should identify the direction of the light source before shading**. **(2 marks)**

i. _____

ii. _____

8. Sir Mwangi bought the following piece of art



a) Identify **two principles of design** demonstrated by the art **(2 marks)**

i. _____

ii. _____

b) Explain how **radial balance** can be created in an artwork. **(2 marks)**

i. _____

ii. _____

c) Explain **three ways of creating emphasis** in a composition. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **three qualities of a well-organised composition**. **(3 marks)**

i. _____

ii. _____

iii. _____

9. A learner is required to produce a landscape showing a road, trees, mountains, houses and a river extending into the distance**.**

a) What is **perspective** in drawing? **(2 marks)**

_____

_____

b) Explain how **size** can be used to show distance in the landscape. **(2 marks)**

i. _____

ii. _____

c) State **two ways of showing overlapping forms in a landscape**. **(2 marks)**

i. _____

ii. _____

d) Explain **two ways of using colour to create atmospheric or aerial perspective**. **(2 marks)**

i. _____

ii. _____

e) State **two features that may be included in the foreground of the landscape**. **(2 marks)**

i. _____

ii. _____

10. A school art club plans to create a sculpture from clay and recycled materials**.**

a) Define **sculpture**. **(2 marks)**

_____

_____

b) Name **three methods of creating or shaping sculpture**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Describe **two ways of creating surface texture on a clay sculpture**. **(2 marks)**

i. _____

ii. _____

d) State **three precautions that should be observed when working with clay and sculptural tools**. **(3 marks)**

i. _____

ii. _____

iii. _____

11. A Kenyan artist produces a series of paintings showing traditional ceremonies, local architecture, clothing, landscapes and everyday community activities**.**

a) Identify **two cultural aspects** that may be communicated through such artwork. **(2 marks)**

i. _____

ii. _____

b) Explain **two reasons why artists should document and preserve cultural heritage**. **(2 marks)**

i. _____

ii. _____

c) Describe **three stages involved in appreciating or analysing an artwork**. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **three ways in which an artist can earn income from visual art**. **(3 marks)**

i. _____

ii. _____

iii. _____



ÉVALUATION DU NIVEAU SUPÉRIEUR

TRIMESTRE 3: DECEMBER ASSIGNMENT 2026

CLASSE DE 10e – FRANÇAIS

Durée : 2 heures

INFORMATIONS DU CANDIDAT

Nom : _____.École : _____.

Numéro d'évaluation : _____. Date : _____.

Code de l'école : _____.Signature : _____.

INSTRUCTIONS AUX CANDIDATS

1. Écrivez votre nom dans les espaces prévus ci-dessus.
2. Écrivez le nom de votre école et votre classe dans les espaces prévus.
3. Écrivez votre numéro d'admission et la date de l'évaluation dans les espaces prévus.
4. Cette épreuve comprend deux sections : A et B.
5. Répondez à toutes les questions des sections A et B.
6. Répondez aux questions en Francais lorsque cela est demandé.
7. Toutes les réponses DOIVENT être écrites dans les espaces prévus dans ce document.
8. Ne retirez aucune page de ce sujet d'examen.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	40 MARKS	40 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
	POINTS			8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
TOTAL SCORE											

SECTION A: 30 MARKS

1: Complete the dialogue below with suitable French expressions. **(5 marks)**

Pierre: Bonjour, comment t'appelles-tu ?

David: _____.

Pierre: Quel âge as-tu ?

David: _____.

Pierre: Tu habites où ?

David: _____.

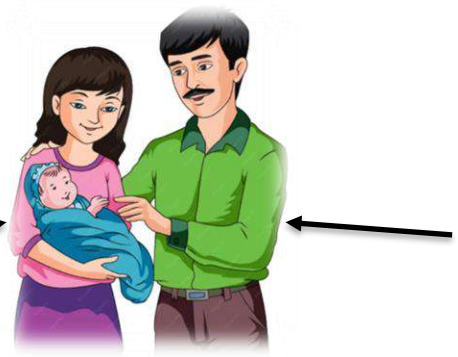
Pierre: Quelle est ta nationalité ?

David: _____.

Pierre: Enchanté de faire ta connaissance.

David: _____.

2: Give the French equivalent of each of the following. **(5 marks)**



A) _____ B) _____

c) Brother – _____

d) Sister – _____

e) Grandmother – _____

3: Rewrite each sentence correctly by changing the adjective to agree with the noun.

a) Marie est **intelligent**.

_____

b) Paul est **grande**.

_____

c) Les filles sont **heureux**.

_____

d) Les garçons sont **actif**.

_____

e) Ma sœur est **sportif**.

_____

4: Write the following times in French words.





a) _____ b) _____

c) 10:15 – _____

d) 12:00 – _____

e) 18:45 – _____

5: Read the passage below and answer the questions that follow.

Le week-end de Kevin



a) Quel âge a Kevin ? **(1 mark)**

_____

b) Où est-ce qu'il étudie ? **(1 mark)**

_____

c) Pourquoi est-il très occupé pendant la semaine ? **(2 marks)**

_____

d) À quelle heure se lève-t-il le samedi ? **(1 mark)**

_____

e) Comment aide-t-il sa mère ? **(1 mark)**

_____

f) Que fait-il le samedi après-midi ? **(1 mark)**

_____

g) Avec qui va-t-il à l'église le dimanche ? **(1 mark)**

_____

h) Pourquoi aime-t-il rendre visite à sa grand-mère ? **(2 marks)**

_____

SECTION B: 50 MARKS

6: Complete the following conversation appropriately.

Élève: Bonjour, madame.

Professeur: _____.

Élève: Excusez-moi, puis-je entrer ?

Professeur: _____.

Élève: Je suis désolé(e) d'être en retard.

Professeur: _____.

Élève: Où est-ce que je peux m'asseoir ?

Professeur: _____.

Élève: Merci, madame.

Professeur: _____.

B. School Activities – 5 marks

Write **five complete French sentences** about activities you normally do at school. **(5 marks)**

Example:

Je lis des livres à la bibliothèque.

i. _____
ii. _____
iii. _____
iv. _____
v. _____

7: Complete the sentences with the correct form of the verb in brackets. **(10 marks)**

a) Tu _____ le français tous les jours. *(étudier)*

b) Nous _____ nos devoirs après le dîner. *(faire)*

c) Elle _____ au marché avec sa mère. *(aller)*

d) Vous _____ une lettre à votre professeur. *(écrire)*

e) Ils _____ du football le samedi. *(jouer)*

f) Je _____ un livre intéressant. *(lire)*

g) Mes amis _____ très heureux. *(être)*

h) Nous _____ une nouvelle voiture. *(avoir)*

i) Paul _____ de l'eau après le sport. *(boire)*

j) Vous _____ à huit heures. *(arriver)*

8:

A. Change into the negative. (5 marks)

a) J'aime le français.

_____

b) Nous avons une voiture.

_____

c) Elle mange du riz.

_____

d) Ils vont à Nairobi.

_____

e) Tu regardes la télévision.

_____

B.

Rewrite each statement as a question. **(5 marks)**

a) Tu habites à Kisumu.

_____

b) Elle parle français.

_____

c) Vous aimez le sport.

_____

d) Ils jouent au football.

_____

e) Il travaille à l'hôpital.

_____

9: Write **80–100 words in French** on:

Ma journée scolaire(10 marks)

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

10: You have a French-speaking pen pal called **Sophie** who lives in France. Write a letter of **80–100 words** telling her about your **school**.

Include: **(10 marks)**

1. your school's name;
2. where it is located;
3. the number of learners;
4. subjects you study;
5. school facilities;
6. your favourite subject;
7. your favourite school activity;
8. what you like about your school.

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

TERM 3: ENDTERM ASSESSMENT 2026

GRADE 10 – GENERAL SCIENCE
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
4. This paper consists of two sections: A and B.
5. Answer all questions in section A and section B.
6. Answer the questions in English.
7. All answers MUST be written in the spaces provided in PAPER.
8. Do NOT remove any page from this question paper.

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SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	35 MARKS	45 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (35 MARKS)

Answer ALL questions in this section.

1. a) Explain what is meant by scientific knowledge**. (1 mark)**

_____

_____

b) State **three ways in which science and technology have improved life in Kenya**. (3 marks)

i. _____

ii. _____

iii. _____

c) State one reason why scientific investigations should be based on evidence. (1 mark)

_____

2. Study the apparatus represented below.



a) Identify the apparatus shown. (1 mark)

_____

b) State **two uses** of this apparatus in a science laboratory. (2 marks)

i. _____

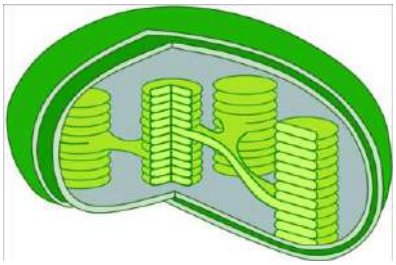
ii. _____

c) State **two precautions** that should be observed when heating substances in a laboratory. (2 marks)

i. _____

ii. _____

3. A learner observed cells from a leaf under a light microscope.



a) Identify the type of cell most likely represented by the diagram. (1 mark)

_____

b) Name the structures represented by the **small oval bodies** marked in the diagram. (1 mark)

_____

c) State the function of these structures. (1 mark)

_____

d) Give **two differences between a plant cell and an animal cell**. (2 marks)

	Plant cell	**Animal cell**
i		
ii		

4.

Grass → Grasshopper → Frog → Snake → Hawk

a) Identify the **producer** in the food chain. _____(1 mark)

b) Identify the **primary consumer**. _____(1 mark)

c) State the role of decomposers in an ecosystem. (1 mark)

_____

d) Explain what would happen to the frog population if the number of grasshoppers decreased greatly. (2 marks)

_____

_____

5. A mixture contains sand, salt and water**.**

a) Name the first method that can be used to remove the sand from the mixture. (1 mark)

_____

b) Describe how salt can be recovered from the remaining solution. (2 marks)

_____

_____

_____

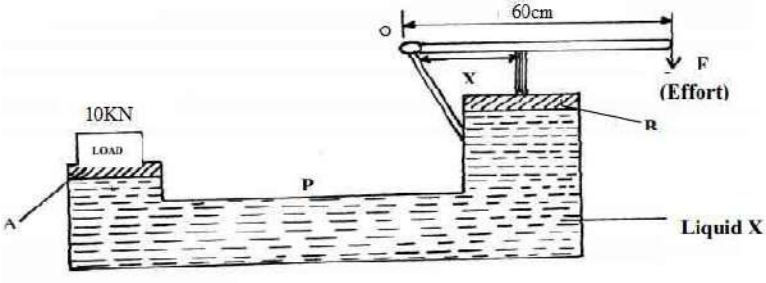
c) State one difference between a **physical change** and a **chemical change**. (1 mark)

_____

_____

d) Give one example of a chemical change in everyday life. (1 mark)

6. The figure below shows a hydraulic press P which is used to raise a load of 10KN. A force F of 25N is applied at the end of a lever pivoted at O to raise the load



a) State one property of liquid X

b) Determine the distance x indicated on the press if force on piston B is 100N

c) State one way of increasing pressure when the applied force remains constant. (1 mark)

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. A learner carried out an experiment to investigate the importance of light in photosynthesis. Part of a healthy plant was covered with opaque paper and the plant was exposed to sunlight for several hours. The leaf was later tested for starch.

a) State the purpose of covering part of the leaf with opaque paper. (1 mark)

b) Name the food substance tested for in the leaf. (1 mark)

c) Name the reagent used to test for the substance in (b). (1 mark)

_____

_____

d) State the colour change expected when the test is positive. (1 mark)

_____

_____

e) Write the word equation for photosynthesis. (2 marks)

_____

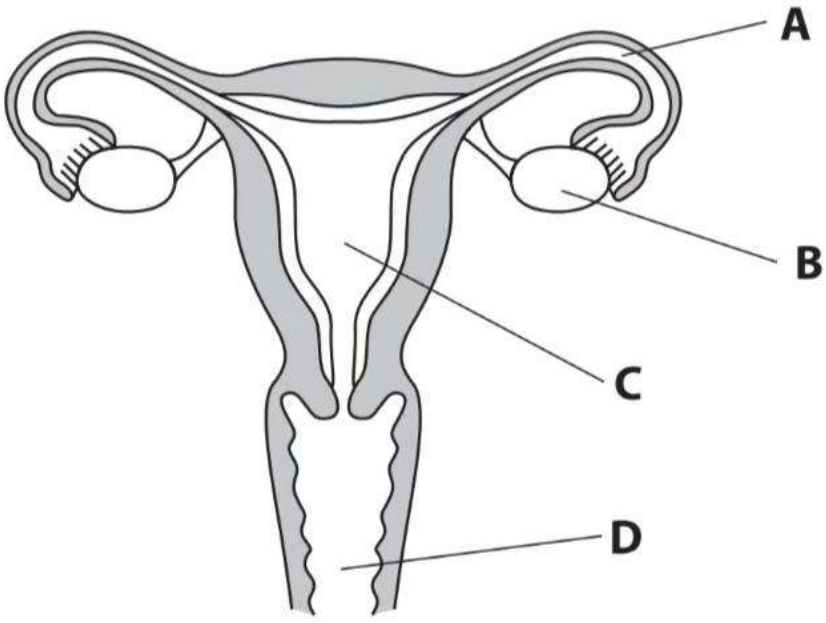
_____

f) State **two conditions necessary for photosynthesis** apart from light. (2 marks)

i. _____

ii. _____

8. Study the diagram of the female reproductive system.



a) Name the part marked C. (1 mark)

_____

b) State the function of the marked A. (2 marks)

_____

c) Define **fertilisation**. (2 marks)

_____

_____

d) Distinguish between **puberty and adolescence**. (2 marks)

_____

_____

e) State one importance of reproductive health education among adolescents. (1 mark)

_____

_____

9. A community experiences an outbreak of a water-borne disease after heavy rainfall. Several residents develop diarrhoea and vomiting.

a) Explain how contaminated water can cause disease. (2 marks)

_____

_____

b) State **three measures that can be used to prevent water-borne diseases**. (3 marks)

i. _____
ii. _____
iii. _____

c) Distinguish between a **pathogen** and a **vector**. (2 marks)

_____

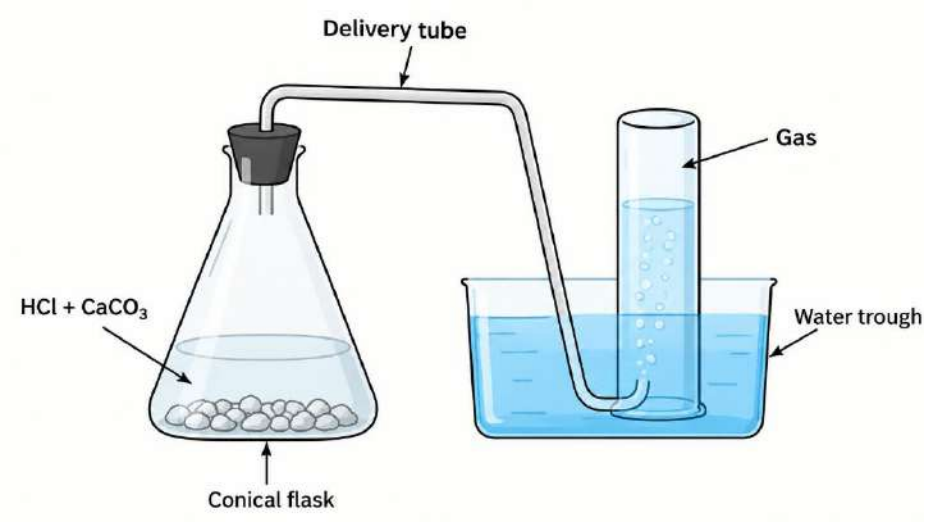
_____

d) Give one example of a disease transmitted by a vector. (1 mark)

_____

_____

10. A learner placed dilute hydrochloric acid in a flask and added calcium carbonate chips. The flask was connected to a gas collection system.



a) Name the gas produced in the reaction. (1 mark)

_____

b) Describe a simple test for the gas. (2 marks)

_____

_____

c) Write the word equation for the reaction. (2 marks)

_____

_____

d) State **two observations** that would be made during the reaction. (2 marks)

i. _____

ii. _____

e) Explain the meaning of the **law of conservation of mass**. (2 marks)

_____

_____

11. A learner uses a simple machine to raise a load of 400 N **by applying an effort of** 100 N**.**

a) Define a **machine**. (1 mark)

_____

_____

b) Calculate the mechanical advantage of the machine. (2 marks)

c) State **two advantages of using machines**. (2 marks)

i. _____

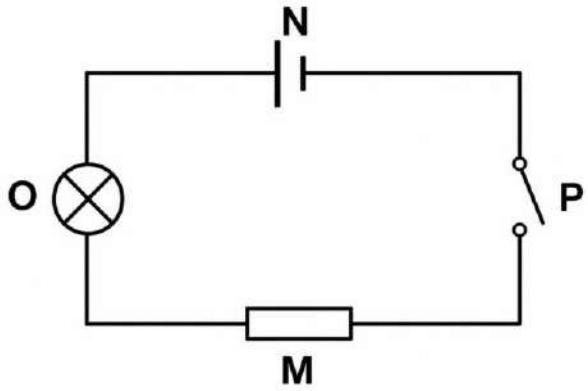
ii. _____

d) If the machine has a velocity ratio of 5, calculate its efficiency. (2 marks)

e) Give one example of a simple machine used in the home. (1 mark)

_____

12. Study the circuit below.



a) Identify component **O**. _____ (1 mark)

b) Identify component **N**. _____ (1 mark)

c) State the function of part labeled P. (1 mark)

d) Distinguish between **conductors and insulators**. (2 marks)

e) State **two causes of electrical accidents in the home**. (2 marks)

i. _____

ii. _____

f) State **two measures for preventing electrical accidents**. (2 marks)

i. _____

ii. _____

13. A metal block has a mass of 540 g **and a volume of** 200 cm^3**.**

a) Define density. (1 mark)

_____

_____

b) State the formula for density. (1 mark)

c) Calculate the density of the metal block. (2 marks)

d) State whether the block would float or sink in water if the density of water is **1 g/cm^3**. Give a reason for your answer. (2 marks)

e) State **two factors that determine whether an object floats or sinks in a fluid**. (2 marks)

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

ECEMBER ASSIGNMENTS 2026

GRADE 10 – GEOGRAPHY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
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POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A 30 MARKS

Answer ALL questions in this section.

1. (a) The table below shows agricultural crop production data (in metric tonnes) for a region in Kenya over a 4-year period: Study the data and answer the following sub-questions:

Year	Maize (Tonnes)	Tea (Tonnes)	Coffee (Tonnes)	Total
2021	120	80	40	240
2022	150	90	60	300
2023	180	110	70	360
2024	200	120	80	400

(i) Calculate the **percentage contribution** of Tea to the total agricultural output in the year 2023. Show your working. *(2 marks)*

(ii) Calculate the **percentage increase** in Maize production from 2021 to 2024. *(2 marks)*

(iii) State **two** advantages of using a comparative (grouped) bar graph to represent this data compared to a simple pie chart. *(2 marks)*

(i) _____

(ii) _____

2. State **three causes of movements of the Earth. (3 marks)**

   i. _____
   ii. _____
   iii. _____

3. State **two characteristics of a destructive plate boundary. (2 marks)**

   i. _____
   ii. _____

4. Outline **three natural causes of earthquakes. (3 marks)**

   i. _____
   ii. _____
   iii. _____

5. State **two effects of earthquakes on crustal rocks. (2 marks)**

   i. _____
   ii. _____

6. **a)** State **two factors that determine the degree of folding in rocks. (2 marks)**

   i. _____
   ii. _____

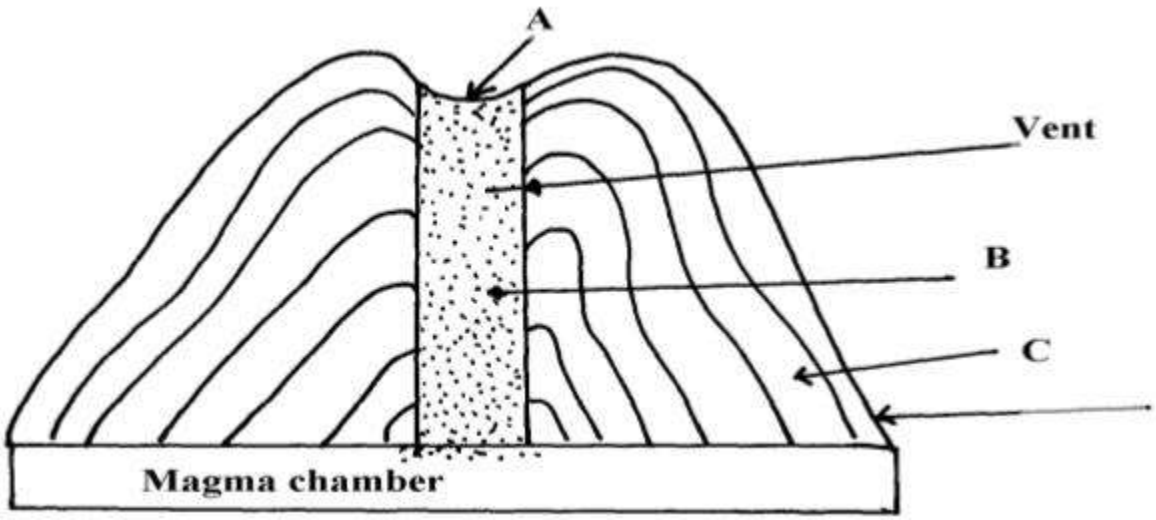
b) State **three effects of faulting on drainage systems. (3 marks)**

i. _____

ii. _____

iii. _____

7. The feature shown below is an **extrusive volcanic landform**. Study it and answer the questions that follow.



b) Name the parts labelled A, B and C (3 marks)

A: _____

B: _____

C: _____

c) Using **well-labelled diagrams**, describe how each of the following features is formed:

i. **An anticline (3 marks)**

ii. **An overthrust fold (3 marks)**

SECTION A 50 MARKS

Answer ALL questions in this section.

8. **a)** What is meant by the **Plate Tectonic Theory? (2 marks)**

_____

_____

_____

b) Name **three types of plate boundaries. (3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **two pieces of evidence that support the Continental Drift Theory. (2 marks)**

i. _____

ii. _____

d) Explain **three ways in which folding features can pose problems to people. (3 marks)**

(i) _____

(ii) _____

(iii) _____

9. (a) Define the term **Geographic Information System (GIS)**. *(2 marks)*

_____

_____

(b) Differentiate between **Vector data** and **Raster data** structures as used in GIS spatial analysis. *(2 marks)*

_____

_____

(c) State **three** application areas of GIS in modern agricultural resource management in Kenya. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

10. (a) What is the fundamental difference between **plutonic igneous rocks** and **volcanic igneous rocks** based on cooling rate and texture? *(2 marks)*

_____

_____

_____

(b) Complete the table below by providing the corresponding metamorphic equivalent for each original rock type: *(3 marks)*

Original Parent Rock	Metamorphic Equivalent
Limestone	(i)
Clay / Shale	(ii)
Granite	(iii)

11. (a) Name **two** features formed by major crustal folding on a global scale. *(2 marks)*

(i) _____

(ii) _____

(b) Describe how an **Overthrust Fold (Nappe)** is formed under intense compression. *(4 marks)*

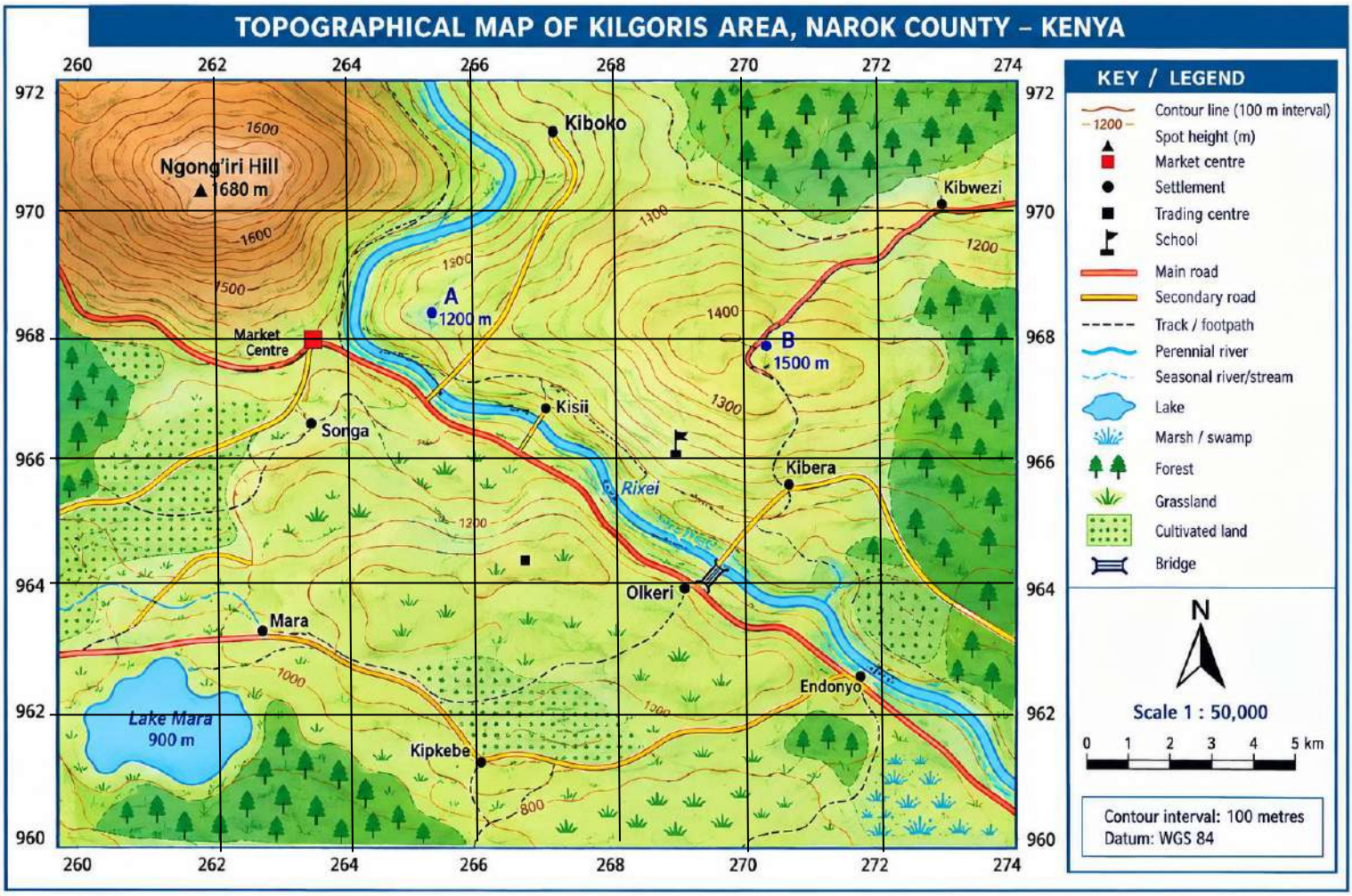
_____

_____

_____

_____

12. Study the topographic contour map representation provided below to answer sub-questions (a) through (e).



(a) (i) Convert a map scale of 1:50,000 into a statement scale in kilometers. *(1 mark)*

(ii) If the distance between two market centers measured along a straight line on a 1:50,000 map is 14.6 cm, calculate the actual ground distance in kilometers. *(2 marks)*

(b) (i) Calculate the **gradient** between point A (elevation 1200 m) and point B (elevation 1500 m) separated by a map distance corresponding to 6 km on the ground. Give your answer as a ratio. *(3 marks)*

(ii) Identify the terrain relief feature characterized by closely spaced contour lines along a river valley. *(1 mark)*

_____

(c) Below is statistical data representing energy generation by source in Kenya for a specific operational year:

- **Geothermal:** 45%
- **Hydroelectric:** 35%
- **Wind & Solar:** 15%
- **Thermal (Fossil Fuels):** 5%

(i) Calculate the proportional central angle in degrees (∘) for each energy sector required to construct a standard **Pie Chart (Divided Circle)**. *(4 marks)*

i. Geothermal: _____
ii. Hydroelectric: _____
iii. Wind & Solar: _____
iv. Thermal: _____

(ii) State **two** mathematical rules that must be adhered to when drawing a divided rectangle (component bar chart). *(2 marks)*

(i) _____

(ii) _____

(d) Explain **three** factors influencing the distribution of human settlements as interpreted from topographic maps. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

(e) State **four** primary steps followed when constructing a topographic cross-section (relief profile) between two grid references. *(4 marks)*

(i) _____

(ii) _____

(iii) _____

(iv) _____

13. (a) (i) Distinguish between **intrusive** and **extrusive** volcanic landforms. *(2 marks)*

(ii) State **three** characteristics of a basic (basaltic) lava flow. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

(b) Describe the operational process of extracting soda ash (trona) from Lake Magadi using the **dredging method**. *(4 marks)*

_____

_____

_____

_____

(c) Explain **three** environmental degradation problems associated with open-cast mining in Kenya. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

14. (a) (i) Define **large-scale commercial plantation farming**. *(1 mark)*

_____

_____

(ii) State **three** physical conditions required for successful commercial tea cultivation in the Kenyan highlands. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

(b) Explain **two** ways in which the Kenyan government supports small-scale sugarcane farmers to boost national agricultural yield. *(2 marks)*

(i) _____

(ii) _____

(iii) _____

(c) (i) Differentiate between **raw-material-oriented industries** and **market-oriented industries**. *(2 marks)*

_____

_____

_____

(ii) Name **two** cottage industries practiced in Kenya. *(2 marks)*

(i) _____

(ii) _____

15. (a) (i) Define **Geothermal Energy**. *(1 mark)*

_____

_____

(ii) State **three** advantages of geothermal power over hydroelectric power in Kenya. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

(b) Describe how electrical energy is produced from geothermal steam at the Olkaria Geothermal Station. *(3 marks)*

_____

_____

_____

_____

(c) Explain **three** factors that have favored Japan as a global industrial giant despite lacking major natural mineral resources. *(3 marks)*

(i) _____

(ii) _____

(iii) _____

16. Study the data in the table below and use it to answer the questions that follow.

Mineral	Production (000 tonnes)
Gold	26
Fluorspar	14
Soda ash	32
Zinc	28

a) Using a radius of **5 cm**, draw a **pie chart** to represent the mineral production in Kenya shown in the table above. **(7 marks)**

b) State **three advantages of using a pie chart** to represent statistical data. **(3 marks)**

i. _____
ii. _____
iii. _____

17. A county has fertile volcanic soils, adequate rainfall, deposits of minerals, a river, geothermal resources and a growing population. The county government plans to develop agriculture, mining, energy generation and manufacturing industries.

a) Explain two ways in which physical factors favour agriculture in the county**. (2 marks)**

i. _____
ii. _____

b) State two economic benefits of mining **to the county. (2 marks)**

i. _____
ii. _____

c) State one environmental problem associated with mining**. (1 mark)**

_____
_____

d) Name two renewable sources of energy **that could be developed in the county. (2 marks)**

i. _____
ii. _____

e) State one advantage of using renewable energy. (1 mark)

_____
_____

f) Explain two factors that could influence the location of industries in the county**. (2 marks)**

i. _____
ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – GERMAN
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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LEARNER'S TOTAL SCORE											

SECTION A: COMPREHENSION AND READING SKILLS (15 MARKS)

1. Lies den Text und beantworte die Fragen. *(Read the text and answer the questions.)* [10 Marks]

Hallo! Ich heiße Amani und ich bin sechzehn Jahre alt. Ich wohne in Nakuru, Kenya, aber ich lerne Deutsch in der Schule. Mein Tag beginnt um sechs Uhr morgens. Ich esse Brot mit Marmelade und trinke Milch zum Frühstück. Um sieben Uhr fahre ich mit dem Bus zur Schule.

Meine Lieblingsfächer sind Deutsch, Biologie und Mathematik. Ich mag Deutsch, weil ich in den Ferien nach Berlin reisen möchte. In meiner Freizeit spiele ich gerne Fußball und höre Musik. Am Wochenende helfe ich meinen Eltern im Garten.

a) Wie alt ist Amani? (1 mark)

_____

b) Wo wohnt Amani? (1 mark)

_____

c) Was isst und trinkt Amani zum Frühstück? (2 marks)

_____

d) Wie kommt Amani zur Schule? (1 mark)

_____

e) Welche drei Schulfächer mag Amani? (3 marks)

_____

f) Warum lernt Amani Deutsch? (1 mark)

_____

g) Was macht Amani am Wochenende? (1 mark)

_____

2. Richtig oder Falsch?

(True or False? Write 'R' for Richtig or 'F' for Falsch based on the text above.) [5 Marks]

a) Amani steht um sieben Uhr auf.

_____

b) Amani fährt mit dem Fahrrad zur Schule.

_____

c) Amanis Lieblingsfach ist Geschichte.

_____

d) Amani hört in der Freizeit Musik.

_____

e) Amani hilft den Eltern im Garten.

_____

SECTION B: GRAMMAR AND VOCABULARY (25 MARKS)

1. **Ergänze das richtige Verb im Präsens.**

(Complete with the correct present tense form of the verb in brackets.) [5 Marks]

a) Maria _____ gerne Bücher. *(lesen)*

b) Wir _____ am Samstag nach Nairobi. *(fahren)*

c) _____ du Morgen Zeit? *(haben)*

d) Die Schüler _____ Deutsch. *(lernen)*

e) Er _____ den Bleistift auf den Tisch. *(legen)*

4. Welches Wort passt nicht?

(Which word does not belong in the group?) [5 Marks]

a) Mutter / Vater / Lehrer / Schwester

b) Bleistift / Buch / Hund / Lineal

c) Montagmorgen / Mittwoch / September / Freitag

d) Trinken / Essen / Kochen / Stuhl

e) Rot / Grün / Milch / Blau

5. Ergänze die richtigen Artikel (bestimmt oder unbestimmt).

(Fill in the blanks with correct articles: der, die, das or ein, eine). [5 Marks]

a) Das ist _____ (a) Schultasche.

b) _____ (the) Lehrer heißt Herr Kamau.

c) Ich kaufe _____ (a) Buch.

d) Wo ist _____ (the) Klassenzimmer?

e) Sie hat _____ (a) Bruder.

6. Satzbau: Bilde korrekte Sätze.

(Form correct sentences from the given words.) [5 Marks]

a) spielt / nachmittags / Fußball / Peter .

b) woher / du / kommst / ?

c) um / stehe / 6 Uhr / auf / ich .

d) Deutsch / wir / lernen / gerne .

e) keinen / habe / Bleistift / ich .

7. Personalpronomen und Possessivpronomen.

(Complete with the correct pronouns.) [5 Marks]

a) Das ist Juma. Das ist _____ (his) Buch.

b) Sarah lernt viel. _____ (she) ist fleißig.

c) Wir haben ein Haus. Das ist _____ (our) Haus.

d) Wie heißt _____ (your - informal) Deutschlehrer?

e) Hast du den Schlüssel? Nein, ich habe _____ (it - masculine) nicht.

SECTION C: WRITTEN EXPRESSION & CREATIVE WRITING (20 MARKS)

8. Guided Composition. [10 Marks]

Write a profile about yourself in German (60–80 words).

_____

_____

_____

_____

_____

_____

_____

_____

9. Functional Writing: E-Mail / Brief. [10 Marks]

Your German friend, Lukas, sent you an email asking about your school life in Kenya. Write a reply (60–80 words) answering his questions:

- What time does your school day start and end?
- What are your favorite subjects?
- What do you do during break time?

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – HISTORY AND CITIZENSHIP

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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LEARNER'S TOTAL SCORE											

SECTION A: (30 marks)

Answer ALL questions in this section.

1.

a) Define the term **History**. (1 mark)

_____

_____

b) State **one source of historical information**. (1 mark)

_____

_____

c) Give **one importance of studying History and Citizenship**. (1 mark)

_____

_____

2.

a) Name **one major linguistic group** found in Kenya. (1 mark)

_____

b) State **one reason for the migration of the Cushites** into Kenya. (1 mark)

_____

_____

c) State **one effect of migration on the communities that settled in Kenya**. (1 mark)

_____

_____

3.

a) State **one reason why European powers established colonial rule in Africa**. (1 mark)

_____

_____

b) Name **one method used by Europeans to establish colonial rule in Kenya**. (1 mark)

_____

_____

c) State **one feature of the colonial system of administration in Kenya**. (1 mark)

_____

_____

4.

a) What is meant by **public participation**? (1 mark)

_____

_____

b) State **one way in which public participation promotes democracy**. (1 mark)

_____

_____

c) Identify **one challenge facing effective public participation in Kenya**. (1 mark)

_____

_____

5.

a) What is meant by **republican status**? (1 mark)

_____

_____

b) State **one significance of the repeal of Section 2A of the Constitution**. (1 mark)

_____

_____

c) Give **one importance of the Constitution of Kenya, 2010**. (1 mark)

_____

_____

6.

a) Name the body responsible for conducting and supervising elections in Kenya. (1 mark)

_____

_____

b) State **one electoral malpractice** that can undermine free and fair elections. (1 mark)

_____

_____

c) State **one factor that promotes national integration in Kenya**. (1 mark)

_____

_____

7.

a) State **one factor that led to the transition from a migratory to a sedentary lifestyle**. (1 mark)

_____

_____

b) Give **one advancement associated with the Neolithic Revolution**. (1 mark)

_____

_____

c) Name **one ancient African civilisation** that developed before the nineteenth century. (1 mark)

_____

_____

8.

a) State **one major decision made at the Berlin Conference of 1884–1885**. (1 mark)

_____

_____

b) Name **one African leader associated with modern African nationalism**. (1 mark)

_____

_____

c) State **one lesson African countries can learn from African nationalist leaders**. (1 mark)

_____

_____

9.

a) State **one cause of the First World War**. (1 mark)

_____

_____

b) Give **one effect of the World Wars on Africa**. (1 mark)

_____

_____

c) State **one strategy used by international organisations to promote peace**. (1 mark)

_____

_____

10.

a) State **one factor that contributed to the American Revolution**. (1 mark)

_____

_____

b) Name **one form of modern slavery or servitude**. (1 mark)

_____

_____

c) State **one factor that promotes equity and non-discrimination in society**. (1 mark)

_____

_____

SECTION B: 50 MARKS

Answer all questions in this section.

11. a) Explain two ways in which different branches of History influence contemporary Kenyan society**. (4 marks)**

i. _____

ii. _____

b) Explain **three causes of migration of linguistic groups into Kenya**. (6 marks)

i. _____

ii. _____

iii. _____

12.

a) Explain **three reasons for the establishment of colonial rule in Kenya**. (6 marks)

i. _____

ii. _____

iii. _____

b) Explain **two ways in which the colonial system of administration influenced the development of the modern Kenyan government**. (4 marks)

i. _____

ii. _____

13.

a) Explain **three roles of the Independent Electoral and Boundaries Commission (IEBC)** in Kenya's electoral process. (6 marks)

i. _____

ii. _____

iii. _____

b) Explain **two ways of promoting effective public participation in Kenya**. (4 marks)

i. _____

ii. _____

14.

a) Explain **three factors that contributed to the development of early African civilisations**. (6 marks)

i. _____

ii. _____

iii. _____

b) Explain **two contributions of ancient African civilisations to modern society**. (4 marks)

i. _____

ii. _____

15.

a) Explain **three factors that contributed to the First Industrial Revolution in Britain**. (6 marks)

i. _____

ii. _____

iii. _____

b) Explain **two ways in which the United Nations and African Union promote peace and global stability**. (4 marks)

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

SECOND ASSESSMENT 2026

GRADE 10 – HOMESCIENCE

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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SCORE RANGE	45 MARKS	35 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1.

a) State **two areas of study** covered under Home Science at Grade 10 level. (2 marks)

i. _____

ii. _____

b) Give **two ways** in which Home Science knowledge can improve the quality of family life. (2 marks)

i. _____

ii. _____

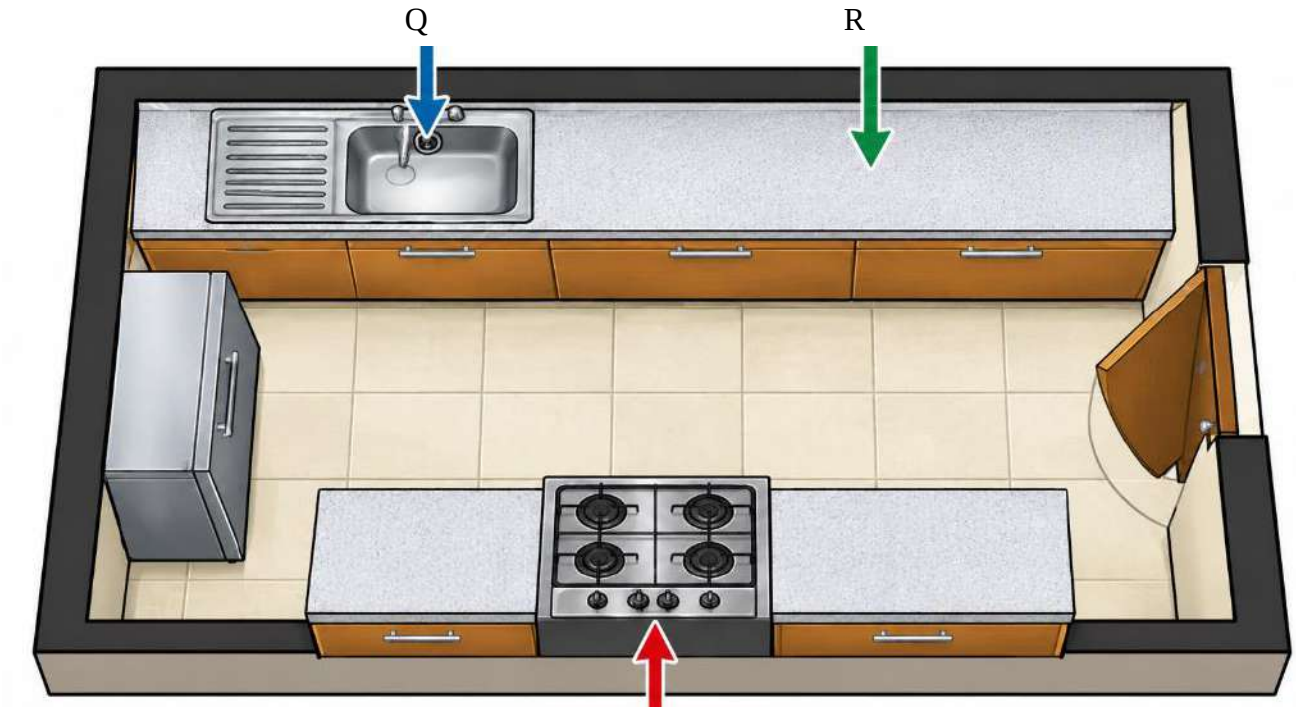
c) State **one entrepreneurial opportunity** that can be created from Home Science skills. (1 mark)

_____

_____

2.

Study the diagram below.



a) Identify the **three major work centres** represented by Q, R and S. (3 marks)

Q: _____

R: _____

S: _____

b) State **two reasons** why work centres should be arranged conveniently in a kitchen. (2 marks)

i. _____

ii. _____

3.

A learner buys fresh vegetables from a market and carries them together with raw meat in one uncovered container. At home, the learner places the food on the kitchen floor before preparation.

a) Identify **two unhygienic practices** in the situation. (2 marks)

i. _____

ii. _____

b) Explain **one health risk** associated with poor food hygiene. (1 mark)

_____

_____

c) State **two appropriate ways** of storing food safely before preparation. (2 marks)

i. _____

ii. _____

4.

a) State the main function of each of the following nutrients:

i. Fats and oils. (1 mark)

_____

_____

ii. Vitamins. (1 mark)

_____

_____

iii. Minerals. (1 mark)

_____

_____

b) Give **two examples of foods rich in vitamins and minerals**. (2 marks)

i. _____

ii. _____

5.

a) What is meant by **personal hygiene**? (1 mark)

b) State **three changes** that may occur during puberty. (3 marks)

i. _____

ii. _____

iii. _____

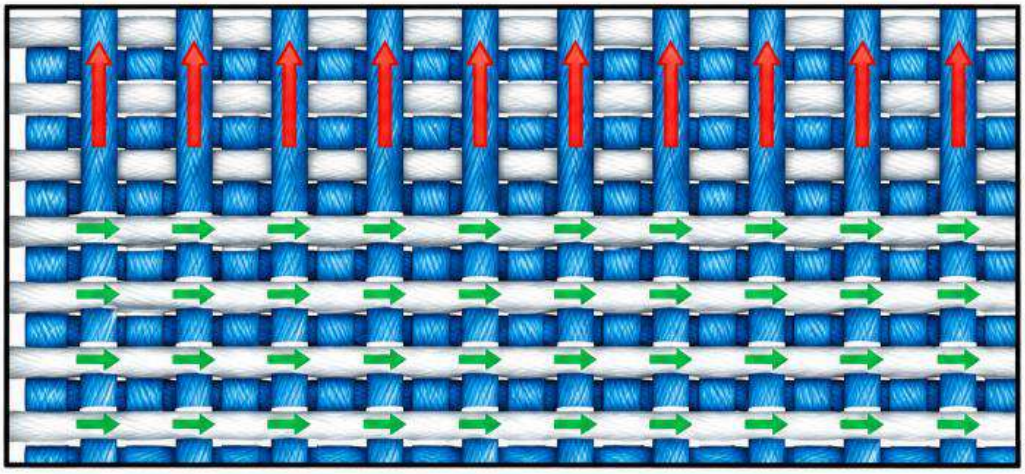
c) Give **one reason** why maintaining personal hygiene is particularly important during puberty. (1 mark)

_____

_____

6.

Study the fabric illustration below.



a) Identify the two directions of threads represented by the arrows. (2 marks)



_____

_____

b) State **two characteristics of a well-constructed seam**. (2 marks)

i. _____

ii. _____

c) Name **one tool** used for measuring fabric during garment construction. (1 mark)

_____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. A school Home Science class is preparing a vegetable dish, rice and grilled meat for a practical lesson.

a) Explain the meaning of **food preparation**. (2 marks)

i. _____

ii. _____

b) State **four principles** that should be followed when preparing vegetables for cooking. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

c) Explain **two advantages of steaming vegetables**. (2 marks)

i. _____

ii. _____

d) Give **two precautions** to observe when grilling meat. (2 marks)

i. _____

ii. _____

8. The following foods are available in a household:

maize meal, beans, sukuma wiki, milk, bananas, cooking oil and oranges.

a) Classify the foods according to the major nutrients they mainly provide. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

b) Using the foods listed above, suggest a **balanced main meal** for the family. (2 marks)

i. _____

ii. _____

c) State **two factors** that may influence the nutritional needs of a family member. (2 marks)

i. _____

ii. _____

d) Explain **two advantages of variety in meals**. (2 marks)

i. _____

ii. _____

9.

A family receives a monthly income of KSh 45,000. The family needs to allocate money for food, housing, education, clothing, transport, healthcare and savings.

a) Define the term **family budget**. (2 marks)

_____

_____

b) State **four advantages** of preparing a family budget. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

c) Explain **two factors** that should be considered when making purchasing decisions. (2 marks)

i. _____

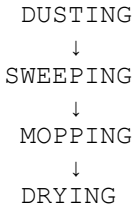
ii. _____

d) State **two qualities of a wise consumer**. (2 marks)

i. _____

ii. _____

10. Study the cleaning sequence below.



a) Explain why cleaning should generally proceed from **high surfaces to low surfaces**. (2 marks)

i. _____

ii. _____

b) State **three precautions** when using household cleaning agents. (3 marks)

i. _____

ii. _____

iii. _____

c) A learner is preparing to wash a woollen sweater.

State **three precautions** that should be taken when laundering woollen garments. (3 marks)

i. _____

ii. _____

iii. _____

d) State **two ways** of preventing accidents caused by electrical appliances in the home. (2 marks)

i. _____

ii. _____

11.

a) Identify the following parts of the garment:

i. The opening around the neck. _____ (1 mark)

ii. The curved opening where the arm passes through. _____ (1 mark)

iii. The finished lower edge of the garment. _____ (1 mark)

b) State **two purposes of pressing during garment construction**. (2 marks)

i. _____

ii. _____

c) Distinguish between **natural fibres** and **manufactured fibres**. (2 marks)

Natural fibres	Manufactured fibres

d) Give **three examples of natural textile fibres**. (3 marks)

i. _____

ii. _____

iii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – HINDU RELIGIOUS EDUCATION
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

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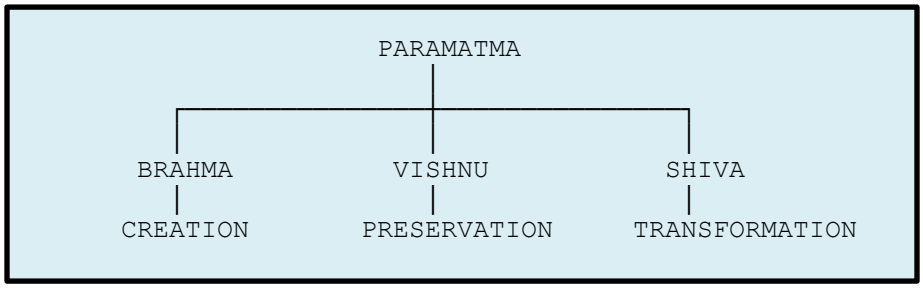
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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. Study the representation below.



a) What is meant by **Paramatma**? **(1 mark)**

.....

b) Name the three manifestations shown in the diagram. **(3 marks)**

i. .....

ii. .....

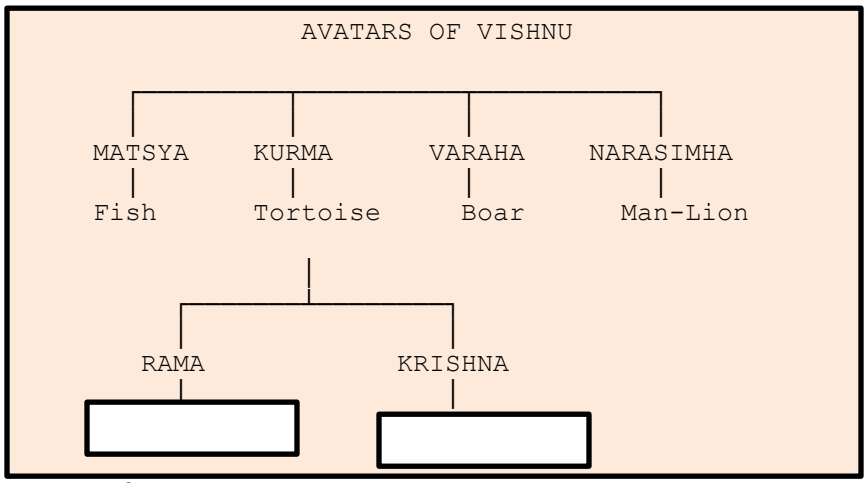
iii. .....

c) State **two reasons** why Vishnu is regarded as the preserver of creation. **(2 marks)**

i. .....

ii. .....

2. The diagram below shows some avatars associated with Vishnu.



a) Identify the two avatars represented by the blank spaces. **(2 marks)**

i. .....

ii. .....

b) State **two reasons** why avatars are important in Hindu religious understanding. **(2 marks)**

i. .....

ii. .....

c) State **two values** demonstrated by Lord Rama. **(2 marks)**

i. .....

ii. .....

3. Complete the following table by stating **one distinctive teaching or emphasis** associated with each tradition.

Tradition	Teaching/Emphasis
Sanatan/Vedic	
Jain	
Buddhist	
Sikh	

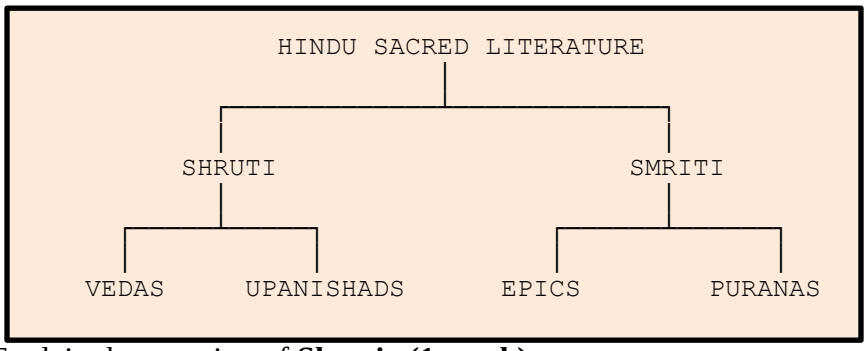
(4 marks)

b) State **two ways** in which studying the four Panths can promote religious tolerance in Kenya. **(2 marks)**

i. .....

ii. .....

4. Study the classification below.



a) Explain the meaning of **Shruti**. **(1 mark)**

.....
.....

b) Explain the meaning of **Smriti**. **(1 mark)**

.....
.....

c) Name **two Vedas**. **(2 marks)**

i. .....

ii. .....

d) Name **two Hindu epics** associated with Smriti literature. **(2 marks)**

i. .....

ii. .....

5. A learner discovers that a classmate has been falsely accused of stealing school property. Although the learner knows the truth, other learners pressure them to remain silent. The learner decides to tell the teacher what actually happened.

a) Identify **one principle of Dharma** demonstrated by the learner. **(1 mark)**

.....

b) Explain how the learner's decision demonstrates **righteous conduct**. **(2 marks)**

.....

.....

c) State **three ways** a Grade 10 learner can practise Dharma at school. **(3 marks)**

i. .....

ii. .....

iii. .....

SECTION B: 50 MARKS

6. a) Explain the Hindu understanding of **Paramatma**. **(2 marks)**

.....

.....

b) Explain the relationship between **Brahma, Vishnu and Shiva** in the Trimurti. **(3 marks)**

.....

.....

.....

c) Explain **two ways** in which the concept of the Trimurti can help a learner understand the processes of creation and transformation. **(2 marks)**

i. .....

ii. .....

d) State **three lessons** that learners can derive from studying manifestations of Paramatma. **(3 marks)**

i. .....

ii. .....

iii. .....

7. a) What is an **avatar** in Hindu religious thought? **(2 marks)**

.....

.....

b) Explain **three reasons** for the appearance of avatars according to Hindu understanding. **(3 marks)**

i. .....

ii. .....

iii. .....

c) Explain **two moral lessons** from the life of Lord Rama that can guide young people today. **(2 marks)**

i. .....

ii. .....

d) Explain **three lessons** that can be drawn from the teachings associated with Lord Krishna. **(3 marks)**

i. .....

ii. .....

iii. .....

8. a) Define the term **Tirthankara**. **(2 marks)**

.....

.....

b) Name **two Jain Tirthankaras**. **(2 marks)**

i. .....

ii. .....

c) Explain **two principles of Jainism** that encourage peaceful coexistence. **(2 marks)**

i. .....

ii. .....

d) State **two teachings of Buddhism** that can help a learner deal with conflict. **(2 marks)**

i. .....

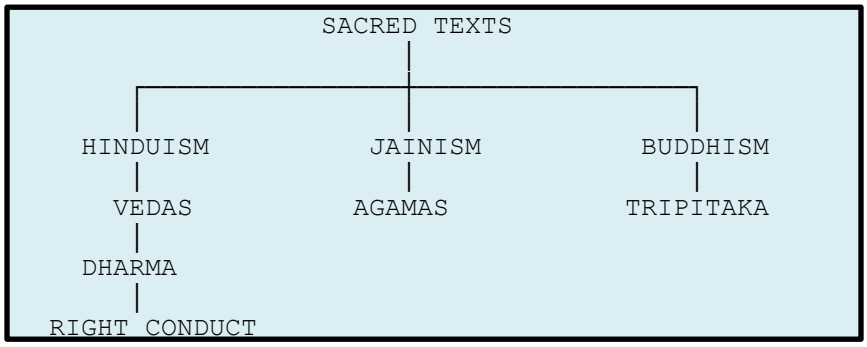
ii. .....

e) Explain **two Sikh values** that can promote responsible citizenship. **(2 marks)**

i. .....

ii. .....

9. Study the diagram below.



a) Identify the Hindu sacred texts represented in the diagram. **(1 mark)**

.....

b) What is meant by **Dharma**? **(2 marks)**

.....

.....

c) Explain **three ways** scriptures provide guidance to believers. **(3 marks)**

i. .....

ii. .....

iii. .....

d) Explain **two ways** Hindu scriptures can influence the conduct of young people. **(2 marks)**

i. .....

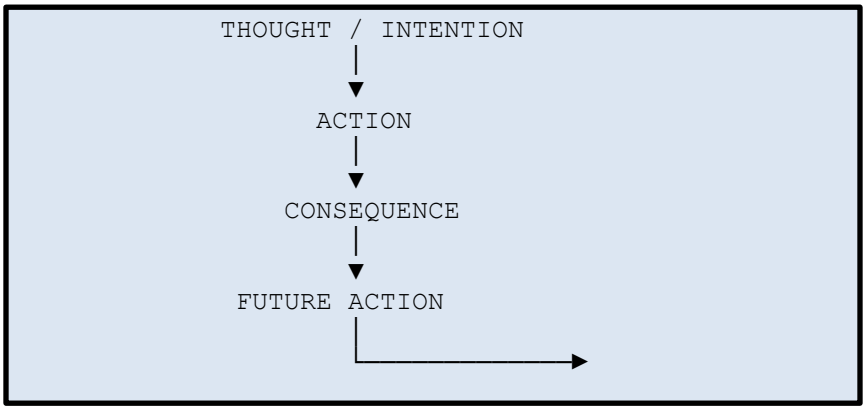
ii. .....

e) State **two dangers** of deliberately misrepresenting religious teachings. **(2 marks)**

i. .....

ii. .....

10. Study the illustration below.



a) Identify the principle illustrated above. **(1 mark)**

.....

b) Define the **Law of Karma**. **(2 marks)**

.....

.....

c) Explain **three ways** the Law of Karma can influence decision-making among young people. **(3 marks)**

i. .....

ii. .....

iii. .....

d) Explain **two functions of music** in Hindu religious and cultural life. **(2 marks)**

i. .....

ii. .....

e) State **two ways dance contributes to the preservation of Hindu cultural heritage**. **(2 marks)**

i. .....

ii. .....



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – INFORMATION COMMUNICATION TECHNOLOGY

Time: 2 Hours

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LEARNER'S TOTAL SCORE											

SECTION A (35 MARKS)

Answer ALL questions in this section.

1. a) Define the term **digital technology**. **(1 mark)**

_____

_____

b) State **two ways in which ICT contributes to economic development** in Kenya. **(2 marks)**

i. _____

ii. _____

c) Give **two challenges that may arise from increased use of ICT in society**. **(2 marks)**

i. _____

ii. _____

2. Study the diagram below and answer the questions that follow.



Q



R



S



T

a) Identify **any two devices** that could be represented by A, B, C or D. **(2 marks)**

Q: _____

R: _____

S: _____

T: _____

b) State **one function of an input device**. **(1 mark)**

_____

_____

c) State **one function of an output device**. **(1 mark)**

_____

_____

d) Give **one example of a storage device**. **(1 mark)**

_____

3. a) Distinguish between **system software** and **application software**. **(2 marks)**

_____

_____

b) Give **one example of system software**. **(1 mark)**

_____

c) Give **two examples of application software** commonly used by learners. **(2 marks)**

i. _____

ii. _____

4. A learner has organised schoolwork on a computer as shown below:

```
GRADE 10
│
├── Mathematics
├── English
├── ICT
│     ├── Notes
│     ├── Assignments
│     └── Projects
└── Biology
```

a) What is the name given to **Grade 10** in this arrangement? **(1 mark)**

_____

b) Name **two subfolders** found inside the ICT folder. **(2 marks)**

i. _____

ii. _____

c) State **two benefits of organising files into folders**. **(2 marks)**

i. _____

ii. _____

5. A learner uses a public computer to access an online learning account. After completing the work, the learner leaves the account open and walks away.

a) Identify **one security risk** in this situation. **(1 mark)**

_____

b) State **two actions the learner should have taken before leaving the computer**. **(2 marks)**

i. _____

ii. _____

c) Explain **two characteristics of a strong password**. **(2 marks)**

i. _____

ii. _____

6. a) What is meant by **digital ethics**? **(1 mark)**

_____

_____

b) State **two ways of respecting intellectual property when using digital materials**. **(2 marks)**

i. _____

ii. _____

c) Give **two examples of unacceptable online behaviour**. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. A school ICT teacher asks learners to prepare a report titled:

THE IMPORTANCE OF DIGITAL LITERACY

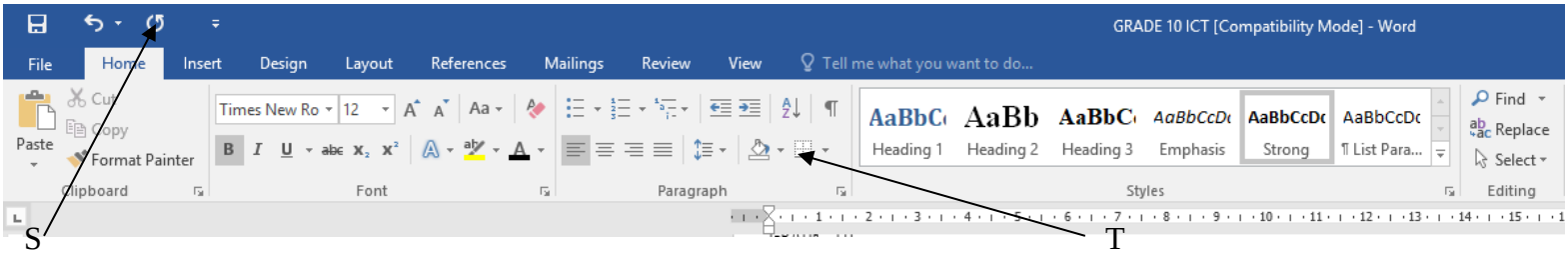
The report should contain a title, headings, paragraphs, a table and page numbers.

a) State **two word-processing features** that can be used to prepare the report professionally. **(2 marks)**

i. _____

ii. _____

b) Identify the role of part labelled S and T **(2 marks)**



S: _____

T: _____

c) Explain the difference between **Save** and **Save As**. **(2 marks)**

Save	**Save As**

d) Describe **two ways of inserting a table into a word-processing document**. **(2 marks)**

i. _____
ii. _____

e) State **two reasons for using headings in a long document**. **(2 marks)**

i. _____
ii. _____

8. A learner is preparing a presentation on:



a) Identify **two elements of the slide** shown in the diagram. **(2 marks)**

i. _____
ii. _____

b) State **three guidelines for selecting images for a presentation**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **two advantages of using presentation software in teaching and learning**. **(2 marks)**

i. _____

ii. _____

d) State **three features that can be used to make a presentation interactive or engaging**. **(3 marks)**

i. _____

ii. _____

iii. _____

9. The ICT Club wants to design a flyer advertising an **ICT INNOVATION DAY**.



a) Identify **two publication elements** shown in the flyer. **(2 marks)**

i. _____

ii. _____

b) State **three factors that should be considered when selecting images and graphics for a publication**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **two ways in which alignment improves the appearance of a publication**. **(2 marks)**

i. _____

ii. _____

d) State **three types of publications that can be created using desktop publishing software**. **(3 marks)**

i. _____

ii. _____

iii. _____

10. A learner wants to research information about **climate change in Kenya** using the Internet.

The learner follows this process:

```
Learner
   ↓
Open Web Browser
   ↓
Enter Search Terms
   ↓
Search Engine
   ↓
Search Results
   ↓
Select Relevant Sources
   ↓
Read and Evaluate Information
   ↓
Record Sources
```

a) What is a **web browser**? **(1 mark)**

_____

_____

b) What is a **search engine**? **(1 mark)**

_____

_____

c) Give **two examples of web browsers**. **(2 marks)**

i. _____

ii. _____

d) State **three criteria the learner should use to determine whether an online source is reliable**. **(3 marks)**

i. _____

ii. _____

iii. _____

e) Explain **three reasons why a learner should acknowledge online sources when using information in an assignment**. **(3 marks)**

i. _____

ii. _____

iii. _____

11. A Grade 10 class is working on a group ICT project. The members are in different locations and need to communicate, share documents and work together online.

a) Name **three digital communication methods** that the learners could use. **(3 marks)**

i. _____

ii. _____

iii. _____

b) State **two digital tools that can support collaborative work**. **(2 marks)**

i. _____

ii. _____

c) Explain **two advantages of using cloud-based collaboration tools in education**. **(2 marks)**

i. _____

ii. _____

d) State **three rules that learners should follow when communicating in an online group**. **(3 marks)**

i. _____

ii. _____

iii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT

GRADE 10 – ISLAMIC RELIGIOUS EDUCATION
Time: 2 Hours

LEARNER'S DETAILS

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Assessment Number:_____. **Date:** _____.

School Code: _____. **Signature:** _____.

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) State **one method** through which the Qur'an was preserved during the lifetime of Prophet Muhammad (PBUH). **(1 mark)**

_____

b) Why was Zayd ibn Thabit (R.A.) suitable for the task of compiling the Qur'an? **(1 mark)**

_____

c) State **one role played by Hafsah bint Umar (R.A.)** in the preservation of the Qur'anic manuscript. **(1 mark)**

2. a) Why was there a need to introduce diacritical marks into Arabic writing? **(1 mark)**

b) State **two benefits** of diacriticalisation of the Qur'an. **(2 marks)**

3. a) Define **Asbabu al-Nuzul**. **(1 mark)**

b) State **two ways** in which knowledge of Asbabu al-Nuzul assists a Muslim in understanding the Qur'an. **(2 marks)**

4. With reference to Surah Al-Furqan 25:63–77:

a) State **one characteristic** of the servants of the Most Merciful ('Ibad al-Rahman). **(1 mark)**

b) Give **two behaviours** that Muslims are encouraged to avoid according to the passage. **(2 marks)**

5. a) What is meant by **Hadith**? **(1 mark)**

b) Distinguish between **Sahih Hadith** and **Da'if Hadith**. **(2 marks)**

6. a) Name **one prayer performed during an eclipse**. **(1 mark)**

b) State **two circumstances** under which Muslims may perform special prayers. **(2 marks)**

7. a) State **one Islamic duty** towards a deceased Muslim. **(1 mark)**

b) Give **two purposes** of performing Salat al-Janazah. **(2 marks)**

8. a) Distinguish between **Zakat** and **Sadaqah**. **(2 marks)**

b) State **one condition** that makes Zakat obligatory on eligible wealth. **(1 mark)**

9. a) What is meant by **Talaq**? **(1 mark)**

b) State **two Islamic guidelines that should be observed when divorce takes place**. **(2 marks)**

10. a) State **one Islamic teaching on humility**. **(1 mark)**

b) Give **two ways** in which honesty strengthens society. **(2 marks)**

SECTION B: 50 MARKS

Answer ALL questions.

11. During an IRE lesson, a learner argued that there was no need for Muslims to study the history of Qur'anic compilation because the Qur'an is already available in printed copies. The teacher explained that understanding its preservation helps Muslims appreciate the efforts made by the early Muslim community.

a) Explain **four reasons** why the Qur'an was compiled into a written collection during the caliphate of Abu Bakr (R.A.). **(4 marks)**

_____

_____

_____

_____

b) Explain **three reasons** why Caliph Uthman (R.A.) standardised the Qur'anic manuscripts. **(3 marks)**

_____

_____

_____

c) Explain **three lessons** Muslims can learn from the efforts made by the companions to preserve the Qur'an. **(3 marks)**

_____

_____

_____

12. a) Explain **three differences** between **Muhkamat** and **Mutashabihat** verses. **(3 marks)**

_____

_____

_____

b) Discuss **three benefits of studying Asbabu al-Nuzul** in Qur'anic interpretation. **(3 marks)**

_____

_____

_____

c) Explain **four characteristics of 'Ibad al-Rahman** described in Surah Al-Furqan 25:63–77. **(4 marks)**

13. A Muslim community has organised a programme to educate young people about their religious responsibilities. The programme covers special prayers, funeral rites and Zakat.

a) Explain **three special prayers** and state the circumstances under which each is performed. **(6 marks)**

b) Describe **four major stages in the Islamic funeral process**, from preparation of the deceased to burial. **(4 marks)**

14. A Muslim family is experiencing serious disagreements. At the same time, one member of the family has lost employment and another has become a widow. The family seeks guidance from Islamic teachings.

a) Explain **three Islamic principles that should guide the process of divorce**. **(3 marks)**

b) Explain **three ways in which the rights and welfare of widows can be protected in Muslim society**. **(3 marks)**

c) Discuss **two principles governing fair labour relations in Islam**. **(2 marks)**

d) State **two ways in which Zakat can support vulnerable members of society**. **(2 marks)**

15. a) Explain **three qualities that a Muslim should demonstrate when carrying out Da'wah**. **(3 marks)**

b) Explain **two reasons why Islam prohibits intoxicants and other harmful substances**. **(2 marks)**

c) Explain **two major achievements of the Umayyad period**. **(2 marks)**

d) Explain **one contribution of Umar ibn Abdulaziz (R.A.) to Islamic governance**. **(1 mark)**

e) State **two contributions made by Muslim scholars to human civilisation**. **(2 marks)**



CHETI CHA ELIMU YA MSINGI KENYA (KCBE)
TATHMINI YA SHULE YA UPILI YA JUU
TATHMINI YA LIKIZO YA DISEMBA, 2026
GREDI YA 10 – KISWAHILI
Muda: Saa 2

TAARIFA ZA MWANAFUNZI

Jina: _____ Shule: _____

Nambari ya Tathmini: _____ Tarehe: _____

Nambari ya Shule: _____ Sahihi: _____

MAAGIZO

1. Mtihani huu una **Sehemu A na Sehemu B**.
2. Una **Kazi Tano**.
3. Jibu maswali yote isipokuwa pale ambapo umeagizwa kuchagua.
4. Andika majibu yote kwa Kiswahili sanifu.
5. Zingatia maagizo ya kila kazi.
6. Kazi ya 5 ina chaguo mbili; jibu **swali moja pekee**.

ALAMA ZA MWANAFUNZI

SEHEMU	SEHEMU A	SEHEMU B	ASILIMIA (%)	KUZ 1	KUZ 2	KUF 1	KUF 2	KUK 1	KUK 2	CHI 1	CHI12
KIWANGO CHA ALAMA	ALAMA 30	ALAMA 50		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTI			8 POINTI	7 POINTI	6 POINTI	5 POINTI	4 POINTI	3 POINTI	2 POINTI	1 POINTI	
JUMLA YA ALAMA ZA MWANAFUNZI											

SEHEMU A: ALAMA 50

KAZI YA 1: UFAHAMU Alama 10

1. Soma kifungu hiki kisha ujibu maswali yanayofuata.

TEKNOLOJIA NA MAISHA YA VIJANA

Katika ulimwengu wa sasa, teknolojia imekuwa sehemu muhimu ya maisha ya vijana. Simu za mkononi, tarakilishi na vifaa vingine vya kidijitali huwasaidia vijana katika mawasiliano, elimu na burudani. Kupitia intaneti, mwanafunzi anaweza kupata vitabu, majarida, makala na video za kielimu bila kulazimika kutembelea maktaba ya kawaida.

Teknolojia pia imebadilisha namna vijana wanavyowasiliana. Zamani, watu walitegemea barua na simu za kawaida kwa mawasiliano ya mbali. Siku hizi, ujumbe unaweza kutumwa kwa mtu aliye katika nchi nyingine kwa muda mfupi sana. Watu wanaweza pia kufanya mikutano ya video bila kusafiri kutoka sehemu moja hadi nyingine.

Pamoja na manufaa hayo, matumizi ya teknolojia yana changamoto zake. Baadhi ya vijana hutumia muda mwingi kwenye mitandao ya kijamii na hivyo kupuuza masomo yao. Wengine hukutana na taarifa za uongo, lugha chafu au watu wenye nia mbaya. Aidha, matumizi yasiyofaa ya mitandao yanaweza kuhatarisha usalama na faragha ya mtu.

Kwa hiyo, vijana wanapaswa kujifunza kutumia teknolojia kwa busara. Wanapaswa kupanga muda wa kutumia vifaa vya kidijitali, kuchunguza uhalali wa taarifa wanazopata na kuepuka kushiriki taarifa zao binafsi na watu wasiowajua. Teknolojia inapotumiwa kwa uwajibikaji inaweza kuwa nyenzo muhimu ya elimu, ubunifu na maendeleo.

Maswali

a) Taja vifaa **viwili** vya kidijitali vilivyotajwa katika kifungu. **(2 alama)**

_____

_____

b) Eleza **manufaa mawili** ya intaneti kwa mwanafunzi. **(2 alama)**

_____

_____

c) Ni kwa nini baadhi ya vijana hupuuza masomo yao kwa sababu ya teknolojia? **(2 alama)**

_____

_____

d) Taja changamoto **mbili** zinazoweza kutokana na matumizi mabaya ya mitandao. **(2 alama)**

_____

_____

e) Eleza hatua mbili ambazo kijana anaweza kuchukua ili kutumia teknolojia kwa uwajibikaji. **(2 alama)**

_____

_____

KAZI YA 2: Alama 10

Jaza nafasi zilizoachwa wazi kwa maneno yanayofaa.

UHIFADHI WA MAJI

Maji ni rasilimali muhimu sana katika maisha ya binadamu. Bila maji, binadamu, wanyama na mimea hawawezi _____ (a). Kwa sababu hiyo, kila mwananchi anapaswa kutumia maji kwa _____ (b).

Katika maeneo mengi, watu hukumbwa na uhaba wa maji hasa wakati wa _____ (c). Hali hii inaweza kupunguzwa kwa kuvuna _____ (d) wakati wa mvua. Maji hayo yanaweza kutumika nyumbani, shuleni na katika shughuli za _____ (e).

Ni muhimu pia kutunza vyanzo vya maji kama mito, maziwa na _____ (f). Uchafu haupaswi kutupwa karibu na vyanzo hivyo kwa sababu unaweza _____ (g) maji. Jamii inapaswa kushirikiana katika kulinda mazingira na kupanda _____ (h) karibu na vyanzo vya maji.

Shule zinaweza kuwafundisha wanafunzi umuhimu wa _____ (i) maji. Wanafunzi wakipewa maarifa na kushirikishwa katika miradi ya uhifadhi, wanaweza kuwa mabalozi wazuri wa matumizi _____ (j) ya maji.

KAZI YA 3: SARUFI NA MSAMIATI Alama 30

A. Aina za Maneno Alama 6

Taja aina ya maneno yaliyopigiwa mstari.

a) **Vijana** wengi wanatumia teknolojia. **(1 alama)**

_____

_____

b) Mwalimu **huyo** aliandaa somo vizuri. **(1 alama)**

_____

_____

c) Wanafunzi walifanya kazi **kwa haraka**. **(1 alama)**

_____

_____

d) Watoto **walicheza** uwanjani. **(1 alama)**

_____

_____

e) Walinunua vitabu **vitatu**. **(1 alama)**

_____

_____

f) Mwanafunzi **mwenye bidii** hufaulu. **(1 alama)**

_____

_____

B. Ngeli za Nomino Alama 6

Andika sentensi zifuatazo katika **umoja**.

a) **Vitabu hivi vimepangwa vizuri. (2 alama)**

_____

_____

b) **Miti ile imekatwa. (2 alama)**

_____

_____

c) **Majembe haya yamepotea. (2 alama)**

_____

_____

C. Nyakati za Vitenzi Alama 6

Badilisha sentensi kulingana na maagizo.

a) Wanafunzi **walisoma** kuhusu mazingira.

Badilisha kuwa **wakati uliopo**. **(2 alama)**

_____

_____

b) Mama **anapika** chakula cha familia.

Badilisha kuwa **wakati uliopita**. **(2 alama)**

_____

_____

c) Wakulima **wanapanda** miti.

Badilisha kuwa **wakati ujao**. **(2 alama)**

_____

_____

D. Ukanushaji Alama 4

Andika sentensi hizi katika hali ya ukanushaji.

a) Amina amemaliza kazi yake. **(2 alama)**

_____

_____

b) Wanafunzi watafanya mtihani kesho. **(2 alama)**

_____

_____

E. Mnyambuliko wa Vitenzi Alama 4

Andika vitenzi katika kauli uliyopewa.

a) Mwalimu ali_____ wanafunzi somo jipya.

(–fundish–)

Tumia **kauli ya kutendea**. **(2 alama)**

b) Juma ali_____ na mwalimu.

(–zungumz–)

Tumia **kauli ya kutendana**. **(2 alama)**

F. Msamiati Alama 4

Toa neno lenye maana sawa na neno lililopigiwa mstari.

a) Wanafunzi walifanya kazi **kwa bidii**. **(1 alama)**

_____

_____

b) Mwalimu aliwaomba wanafunzi wawe **makini**. **(1 alama)**

_____

_____

c) Serikali inapaswa **kulinda** misitu. **(1 alama)**

_____

_____

d) Habari hiyo ilikuwa **ya uwongo**. **(1 alama)**

_____

_____

SEHEMU B: ALAMA 30

KAZI YA 4: UFAHAMU Alama 10

Soma kifungu hiki kisha ujibu maswali.

UHIFADHI WA WANYAMAPORI

Kenya inajulikana kwa kuwa na aina mbalimbali za wanyamapori. Wanyama kama vile simba, tembo, twiga, vifaru na nyati hupatikana katika maeneo mbalimbali ya nchi. Wanyamapori hawa ni sehemu muhimu ya urithi wa taifa na huvutia wageni kutoka sehemu mbalimbali za dunia.

Utalii unaotokana na wanyamapori huleta mapato yanayosaidia maendeleo ya nchi. Sekta hii pia hutoa ajira kwa waongozaji watalii, wahudumu wa hoteli, madereva na watu wengine wanaohusika na shughuli za utalii. Kwa njia hii, jamii zinazoishi karibu na hifadhi zinaweza kunufaika kutokana na uwepo wa wanyamapori.

Hata hivyo, wanyamapori wanakabiliwa na changamoto nyingi. Uwindaji haramu, uharibifu wa makazi, ukame na migogoro kati ya binadamu na wanyama ni baadhi ya changamoto hizo. Baadhi ya wanyama wamepungua kwa idadi kutokana na shughuli hizi.

Ili kuwalinda wanyamapori, serikali na jamii zinapaswa kushirikiana. Wananchi wanapaswa kulinda makazi ya wanyama na kutoa taarifa kuhusu vitendo vya ujangili. Elimu kuhusu umuhimu wa wanyamapori inapaswa kutolewa ili kizazi cha sasa na kijacho kiweze kufaidika na rasilimali hii.

Maswali

a) Taja wanyama **wawili** waliotajwa katika kifungu. **(2 alama)**

_____

_____

b) Eleza njia mbili ambazo utalii wa wanyamapori huchangia katika maendeleo ya nchi. **(2 alama)**

_____

_____

c) Taja changamoto mbili zinazowakabili wanyamapori. **(2 alama)**

_____

_____

d) Eleza maana ya neno **ujangili** kama lilivyotumika katika kifungu. **(2 alama)**

_____

_____

e) Taja hatua mbili ambazo jamii inaweza kuchukua ili kuwalinda wanyamapori. **(2 alama)**

_____

_____

KAZI YA 5: INSHA Alama 20

Jibu swali MOJA pekee.

A.

Anza insha yako kwa maneno yafuatayo:

“Siku hiyo nilikuwa nimejiandaa kwenda shuleni kama kawaida, lakini nilipofungua mlango nilishangazwa na nilichokiona...”

Endeleza kisa hicho kwa mtiririko mzuri wa mawazo.

Andika maneno 250–300.

(20 alama)

AU

B.

Endeleza insha kwa kutumia sentensi hii:

“Uhifadhi wa mazingira ni jukumu la kila mwananchi. Ikiwa kila mmoja wetu angechukua hatua...”

Andika insha kuhusu **Umuhimu wa kuhifadhi mazingira katika jamii**.

Andika maneno 250–300.

(20 alama)

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – LITERATURE IN ENGLISH
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your **name, school, stream, admission number, and date** in the spaces provided above.
2. This paper consists of **three sections: A, B and C**.
3. Answer **all questions**.
4. Use complete sentences and well-reasoned literary arguments where required.
5. Answer all questions in **English**.
6. All answers **MUST** be written in the spaces provided on this question paper.
7. Read each question carefully before answering.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A: (20 MARKS)

Answer ALL questions in this section.

1. Read the narrative below and answer the questions that follow.

THE DRUM THAT SPOKE

Long ago, in a village called Lengo, there lived a young girl named Amina. The people of Lengo were farmers, and whenever they celebrated an important occasion, they gathered around the great village drum known as **Mwangaza**.

Mwangaza was not an ordinary drum. The elders said that it had been made from an ancient tree and that its voice could be heard across the whole village. Whenever it was beaten, people stopped what they were doing and listened.

One evening, Chief Baraka announced, "Tomorrow we shall hold a great harvest celebration. Everyone must bring something to share."

Amina's grandmother warned her, "Remember, child, generosity makes a village strong."

The next morning, Amina carried a basket of grain to the chief's compound. On her way, she met an old traveller sitting beneath a tree.

“Please, child,” said the traveller, “I have travelled for many days and have not eaten.”

Amina looked at her basket. She remembered her grandmother's words and gave the traveller some of her grain.

“Thank you,” said the traveller. “You have a generous heart.”

Amina continued to the chief's compound.

When the celebration began, the villagers danced and sang. Suddenly, the great drum was struck.

BOOM! BOOM! BOOM!

Everyone cheered.

But then something strange happened. The drum began producing words.

“Those who give shall receive.”

The villagers became silent.

Chief Baraka stepped forward. “Who has spoken?”

Again the drum sounded:

“Those who share their food shall never lack friends.”

The villagers looked at one another in amazement.

One wealthy farmer named Kenga became suspicious.

“This must be a trick!” he shouted.

He moved closer to the drum and struck it violently.

BOOM!

The drum answered:

“Greed makes the heart poor.”

Kenga became angry. He demanded to know who was hiding inside the drum.

At that moment, the old traveller appeared.

The villagers recognized him as a wise elder who had been travelling from village to village to discover whether people still practised generosity.

He smiled and said, “The drum did not create these words. It merely revealed what was already inside your hearts.”

Amina smiled.

Chief Baraka praised her and said, “Today we have learned that the strength of a community is not measured by how much its richest people possess, but by how willingly its members share.”

From that day onwards, the people of Lengo became known throughout the region for their generosity.

a) Identify the genre of oral narrative represented above. **(1 mark)**

_____

_____

b) Give **two characteristics** of the genre identified in (a). **(2 marks)**

_____

_____

c) Identify the **opening formula** used in the narrative. **(1 mark)**

_____

_____

d) Name **two characters** in the narrative. **(2 marks)**

_____

_____

e) Why was Mwangaza considered an unusual drum? **(1 mark)**

_____

_____

f) Describe Amina's character using evidence from the narrative. **(3 marks)**

_____

_____

_____

_____

g) Identify **two elements of fantasy or supernaturalism** in the narrative. **(3 marks)**

_____

_____

h) Explain the significance of the repetition of the words **"BOOM! BOOM! BOOM!"** in the narrative. **(3 marks)**

_____

_____

_____

_____

i) What moral lesson can the community learn from the narrative? **(2 marks)**

_____

_____

j) If you were Amina, would you have shared your grain with the traveller? Give a reason for your answer. **(2 marks)**

_____

_____

SECTION B: ORAL LITERATURE (50 MARKS)

Answer ALL questions.

2. Name any three genres of oral literature. (3 marks)

i. _____

ii. _____

iii. _____

3. List five types of songs found in oral literature. (5 marks)

i. _____

ii. _____

iii. _____

iv. _____

v. _____

4. Explain four characteristics of oral literature. (8 marks)

i. _____

ii. _____

iii. _____

iv. _____

5. State and explain five functions of oral literature in society. (10 marks)

i. _____

ii. _____

iii. _____

iv. _____

v. _____

6. The digital space has changed the way oral literature is created, performed and preserved.

Discuss **four ways in which digital platforms have contributed to the development and preservation of oral literature**. **(8 marks)**

i. _____

ii. _____

iii. _____

iv. _____

7. Give one challenge that digital technology may pose to traditional oral literature and explain it. (1 mark)

_____

_____

8. Read the poem below and answer the questions that follow.

OUR VOICES

We carry stories in our hands,
From ancient homes and distant lands.
Our mothers taught us songs of old,
Our fathers shared the tales they told.

The drum can speak without a tongue,
Its beating keeps our memories young.
The dancer moves, the singers call,
And stories travel through us all.

But times are changing, roads are wide,
New forms of storytelling stand beside.
The phone now carries song and rhyme,
Across the village, across all time.

Let not the old traditions fade,
Let new ideas join the shade.
For when the past and future meet,
Our cultural voice becomes complete.

a) Who is the persona in the poem? **(2 marks)**

_____

_____

b) Identify **two pairs of rhyming words** from the poem. **(2 marks)**

_____

_____

c) What is the main message of the poem? **(2 marks)**

_____

_____

d) Identify **one example of personification** in the poem. **(1 mark)**

_____

_____

e) What does the **drum** symbolize in the poem? **(2 marks)**

_____

_____

f) Explain how modern technology has influenced storytelling according to the poem. **(2 marks)**

_____

_____

g) What attitude does the persona have towards traditional culture? Give a reason for your answer. **(2 marks)**

_____

_____

h) What lesson can young people learn from the poem? **(2 marks)**

_____

_____

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KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – MANDARIN
Time: 2 Hours

COMPETENCE EDUCATION GROUP
Spirit Of Excellence

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. This paper consists of **TWO SECTIONS: A and B**.
2. The paper has **FOUR TASKS**.
3. Answer **ALL questions**.
4. The examination carries **80 marks**.
5. Write Chinese characters carefully and observe correct **stroke order, character formation and spacing**.
6. Where required, write answers in **Chinese characters, Pinyin or English**.
7. Use correct **Pinyin tone marks** where required.
8. Observe correct Chinese **word order and punctuation**.
9. There are **NO multiple-choice questions** in this paper.
10. Task 4 is an **oral assessment** and shall be administered individually by the teacher/examiner.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
SCORE											

阅读理解

Read the following passage carefully and answer ALL the questions that follow.

我的朋友安娜

我有一个好朋友，她叫安娜。她今年十五岁，是肯尼亚人。她住在纳库鲁，和爸爸、妈妈还有弟弟一起生活。

安娜是一名十年级学生。她每天早上五点半起床。她先洗脸、刷牙，然后吃早餐。六点半，她坐公共汽车去学校。

安娜很喜欢学校。她最喜欢的科目是中文，因为她觉得中文很有趣。她每天练习说中文，也学习汉字和拼音。**她的中文老**师很友好，常常帮助她学习。

安娜放学以后先回家做作业。晚上七点，她和家人一起吃晚饭。晚饭以后，她有时候看电视，有时候读书。

星期六，安娜喜欢和朋友一起打排球。星期日，她通常帮助妈妈做家务。她希望将来能去中国学习中文和了解中国文化。

1.1 Answer the following questions in English. (5 marks)

a) How old is Anna?

_____

b) Where does Anna live?

_____

c) Name **two people** Anna lives with.

_____

d) Why does Anna like Chinese?

_____

e) What does Anna hope to do in the future?

_____

1.2 Answer the following questions in Chinese characters. (5 marks)

a) 安娜几点起床？

_____

b) 她怎么去学校？

_____

c) 她最喜欢什么科目？

_____

d) 晚饭以后，她喜欢做什么？

_____

e) 星期六她喜欢做什么？

_____

1.3 Write the correct **Pinyin with tone marks** for the following words from the passage. **(5 marks)**

a) 朋友

_____

b) 肯尼亚

_____

c) 家人

_____

d) 中文

_____

e) 文化

_____

1.4

(a) Give the English meaning of the following. (3 marks)

i) 弟弟 – _____

ii) 早餐 – _____

iii) 家务 – _____

(b) Write the Chinese characters for the following Pinyin. (2 marks)

i) xuéxiào – _____

ii) māma – _____

SECTION B – 50 MARKS

TASK 2: 30 MARKS

2.1 Rearrange the words to form correct Chinese sentences. (5 marks)

a) 今天 / 是 / 星期一

_____

b) 喜欢 / 我 / 看书

_____

c) 学校 / 在 / 我 / 学习

_____

d) 妈妈 / 和 / 我 / 住

_____

e) 中文 / 学习 / 她 / 每天

2.2 Fill in each blank with an appropriate word from:

也　都　很　不　吗　(5 marks)

a) 我_____喜欢中文。

b) 你是学生_____？

c) 我的老师_____友好。

d) 我不喜欢咖啡，我_____不喜欢茶。

e) 我和朋友_____学习中文。

2.3 Rewrite the words in brackets in the correct position in each sentence. **(5 marks)**

a) 我去学校。
（每天）

---

b) 她做作业。
（晚上）

---

c) 我们打篮球。
（星期六）

---

d) 他吃早餐。
（早上六点）

---

e) **我学**习中文。

（**下午**）

2.4 Follow the instructions carefully. **(5 marks)**

a) Change into a question using **吗**:

你喜欢中文。

---

b Change into a negative sentence using **不**:

我喜欢看电视。

---

c) Change into a negative sentence using **没有**:

她有弟弟。

---

d) Change into a question using **什么**:

他喜欢篮球。

---

e) Change into a question using **谁**:

王老师是我的中文老师。

2.5

(a) Add the correct tone marks to the following. (3 marks)

i) ni hao

---

ii) pengyou

_____

iii) xuexiao

_____

(b) Write the Pinyin for the following characters. (2 marks)

i) 家人

_____

ii) 文化

_____

2.6

(a) Write the following characters correctly. (2 marks)

i) 口 _____

ii) 女 _____

(b) State the number of strokes in the following characters. (2 marks)

i) 人 — _____ strokes

ii) 女 — _____ strokes

2.7 Rewrite the following sentence using appropriate Chinese punctuation. **(1 mark)**

你叫什么名字你是哪国人

_____

2.8 Give the English meaning of each character. **(2 marks)**

a) 大 — _____

b) 小 — _____

TASK 3: WRITING – 20 MARKS

3.1 Carefully copy the following words.**– 5 marks**

朋友　学校　老师　中文　家庭

_____

_____

3.2 Write the correct Chinese characters. **– 5 marks**

a) bàba

_____

b) māma

_____

c) xuéshēng

_____

d) lǎoshī

_____

e) péngyou

_____

3.3 Guided composition – 10 marks

我的家庭

Write **80–100 Chinese characters** about your family.

Your composition should include:

1. How many people are in your family.
2. Who they are.
3. Where you live.
4. What your parents/guardians do.
5. Whether you have brothers or sisters.
6. What you do together.
7. One activity you enjoy with your family.
8. Why you like your family.

Use **Chinese characters as much as possible**. Pay attention to:

- correct character formation;
- Pinyin;
- word order;
- punctuation;
- grammar;
- spacing.

Writing space

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

TASK 4: ORAL ASSESSMENT – 10 MARKS

To be administered individually by the teacher/examiner.

4.1 Personal information – 4 marks

The learner should introduce himself/herself in Mandarin.

The learner should mention:

- name;
- age;
- nationality;
- family/school.

Examiner prompt:

请介绍一下你自己和你的家庭。

Pinyin: Qǐng jièshào yíxià nǐ zìjǐ hé nǐ de jiātíng.

4.2 Oral questions – 3 marks

The examiner asks:

(a)

你今年几岁？

(b)

你家有几个人？

(c)

你最喜欢什么科目？为什么**？**

The learner should respond appropriately in Mandarin.

4.3– 3 marks Study the picture below



The learner should describe the picture using **at least three meaningful Mandarin sentences**.

The learner may mention:

- the people;
- the place;
- what the family is doing;
- food;
- family relationships.



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – MARINE TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define the following terms:

i. **Fisheries resource (1 mark)**

.....

....

ii. **Capture fisheries (1 mark)**

.....

....

iii. **Fishery (1 mark)**

.....

....

b) State **three importance of fisheries resources to Kenyan communities**. **(3 marks)**

i. .....

ii. .....

iii. .....

2. Study the illustration below.



a) Identify the aquatic habitat represented by the illustration. **(1 mark)**

.....

b) State **two biotic factors** found in an aquatic ecosystem. **(2 marks)**

i. .....

ii. .....

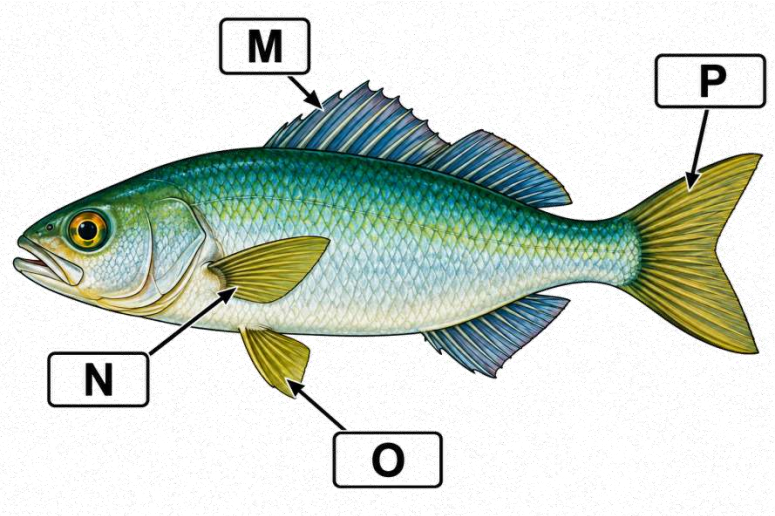
c) State **three abiotic factors** that influence fish distribution in an aquatic ecosystem. **(3 marks)**

i. .....

ii. .....

iii. .....

3. Study the simplified fish diagram below.



a) Identify the structures labelled **M, N, O and P**. **(4 marks)**

M. .....

N. .....

O. .....

P. .....

b) State **two functions of fins in fish**. **(2 marks)**

i. .....

ii. ..... ……..……

4. A farmer wants to establish a fish pond on a piece of land near a river.

a) State **four characteristics of a suitable site for fish pond construction**. **(4 marks)**

i. .....

ii. .....

iii. .....

iv. .....

b) State **two dangers of establishing a fish pond in a polluted area**. **(2 marks)**

i. .....

ii. .....

5. a) Give **three signs that may indicate poor health in cultured fish**. **(3 marks)**

i. .....

ii. .....

iii. .....

b) State **three measures used to maintain good water quality in a fish pond**. **(3 marks)**

i. .....

ii. .....

iii. .....

SECTION B: 50 MARKS

Answer ALL questions.

6. Fish possess various structural and physiological features that enable them to survive in aquatic environments.

a) Explain **four ways in which the streamlined body of a fish contributes to survival in water**. **(4 marks)**

i. .....

ii. .....

iii. .....

iv. .....

b) Explain the role of each of the following structures:

i. **Gills (2 marks)**

.....

..... ……

ii. **Lateral line (2 marks)**

.....

..... ……

c) State **two adaptations that enable fish to maintain buoyancy**. **(2 marks)**

i. .....

ii. .....

7. A school intends to establish a fish production project for learning and income generation.

a) Describe **three types of aquaculture production systems**. **(6 marks)**

i. .....

ii. .....

iii. .....

b) A fish farmer stocks **2,000 fingerlings** in a pond. During harvesting, **1,700 fish** are recovered. Calculate the **percentage survival rate**. **(3 marks)**

c) State **one reason why survival rate is important to an aquaculture farmer**. **(1 mark)**

……

……

8. A farmer observes that fish in a pond are growing slowly despite regular feeding.

a) State **four factors that should be considered when selecting fish feed**. **(4 marks)**

i. .....

ii. .....

iii. .....

iv. .....

b) Explain **three consequences of using poor-quality or inappropriate feed**. **(3 marks)**

i. .....

ii. .....

iii. .....

c) Explain **three good feeding practices that a fish farmer should observe**. **(3 marks)**

i. .....

ii. .....

iii. .....

9. Study the fishing gear illustrations below.



a) Identify the fishing gear represented by **E, F and G. (3 marks)**

E. .....

F. .....

G. .....

b) State **one advantage of each fishing tool**. **(3 marks)**

E. .....

F. .....

G. .....

c) State **two factors that should be considered when selecting fishing gear**. **(2 marks)**

i. .....

ii. .....

d) Give **two examples of responsible fishing practices**. **(2 marks)**

i. .....

ii. .....

10. A group of learners visits a fishing community to study fishing operations. Before the fishing activity begins, the fisheries officer gives them safety instructions.

a) State **four safety precautions that should be observed when working on or near water**. **(4 marks)**

i. .....

ii. .....

iii. .....

iv. .....

b) Explain the importance of the following:

i. **Life jacket/PFD (1 mark)**

……

……

ii. **First-aid kit (1 mark)**

……

……

c) Explain **two ways of conserving fisheries resources**. **(2 marks)**

i. .....

ii. .....

d) State **two entrepreneurial opportunities in marine and fisheries technology**. **(2 marks)**

i. .....

ii. .....



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – MEDIA TECHNOLOGY
Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Explain the meaning of **media content**. **(1 mark)**

_____
_____
_____
_____

b) State **three characteristics of effective media content**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Give **two examples of media content that can be used to educate learners**. **(2 marks)**

i. _____ ii. _____

2. a) Name the **three major components of a media production**. **(3 marks)**

i. _____

ii. _____

iii. _____

b) State **one importance of combining different media components** when creating content. **(1 mark)**

_____
_____

c) Give **one example of a multimedia production**. **(1 mark)**

_____

3. A school environmental club wants to create a three-minute video encouraging learners to conserve water.

a) State **two pieces of information** that should be established before production begins. **(2 marks)**

i. _____

ii. _____

b) Explain **three reasons why planning is important in media production**. **(3 marks)**

i. _____

ii. _____

iii. _____

4. a) State **two safety precautions** when handling media production equipment. **(2 marks)**

i. _____

ii. _____

b) State **two ways of maintaining media equipment**. **(2 marks)**

i. _____

ii. _____

5. a) What is meant by a **target audience**? **(1 mark)**

_____
_____

b) State **two factors that can influence the choice of language in media content**. **(2 marks)**

i. _____

ii. _____

c) Explain **two reasons why media creators should understand their target audience**. **(2 marks)**

i. _____

ii. _____

6. a) State two benefits of using social media to distribute media content**.** (2 marks)

i. _____

ii. _____

b) Identify **one danger associated with sharing unverified media content online**. **(1 mark)**

_____

_____

c) State **two measures that can help a media creator verify information before publishing it**. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions in this section.

7. Study the simplified diagram of a video camera below.



a) Identify the components labelled **A, B, C, D and E**. **(5 marks)**

M. _____

N. _____

O. _____

P. _____

Q. _____

b) State the function of the following:

i. **Viewfinder _____ (1 mark)**

ii. **Lens _____ (1 mark)**

iii. **Microphone _____(1 mark)**

c) State **two factors to consider when selecting a camera for a particular production**. **(2 marks)**

i. _____

ii. _____

8. A learner is taking a photograph of a cultural performance at school.

a) State **four principles or techniques of photographic composition** that the learner could apply. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Explain how each of the following can improve a photograph:

i. **Rule of thirds (2 marks)**

_____

_____

ii. **Leading lines (2 marks)**

_____

_____

c) State **two factors that can make a photograph poorly composed**. **(2 marks)**

i. _____

ii. _____

9. Study the audio recording arrangement below.



a) Identify the four pieces of equipment represented in the diagram. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) State the function of:

i. **Audio mixer (1 mark)**

_____

_____

ii. **Audio recorder (1 mark)**

_____

_____

iii. **Headphones (1 mark)**

_____

_____

c) Explain **three causes of poor-quality sound during recording**. **(3 marks)**

i. _____

ii. _____

iii. _____

10. A media club produces a short news bulletin. During editing, the learners discover that some footage is unnecessary, the sound levels vary greatly and the opening lacks a title.

a) Identify **three editing operations** that should be performed. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Explain how each of the following can improve the final production:

i. **Trimming (1 mark)**

_____

_____

ii. **Audio adjustment (1 mark)**

_____

_____

iii. **Adding titles (1 mark)**

_____

_____

c) State **two visual elements** that may be added during video editing. **(2 marks)**

i. _____

ii. _____

d) State **two considerations when choosing an output format for a video**. **(2 marks)**

i. _____

ii. _____

11. A Grade 10 learner has developed skills in photography, video production and graphic design. The learner plans to start a small media enterprise serving schools and local businesses.

a) Identify **three services** that the learner could offer to clients. **(3 marks)**

i. _____

ii. _____

iii. _____

b) Explain **two ways the learner could market the media enterprise**. **(2 marks)**

i. _____

ii. _____

c) State **three factors that should be considered when setting prices for media services**. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **two qualities of a successful media entrepreneur**. **(2 marks)**

i. _____

ii. _____



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – METAL TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

13. Write your name in the spaces provided above.
14. Write the name of your school and your stream in the spaces provided.
15. Write your admission number and the date of the assessment in the spaces provided.
16. This paper consists of two sections: A and B.
17. Answer all questions in section A and section B.
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LEARNER'S TOTAL SCORE											

SECTION A (40 MARKS)

Answer ALL questions in this section.

1. A learner enters a metalwork workshop and notices that some tools are scattered on workbenches, metal off-cuts are lying on the floor, and a gas cylinder has been placed close to a source of heat.

a) Identify **two unsafe conditions** from the situation. **(2 marks)**

i. _____

ii. _____

b) State **two measures** that should be taken to make the workshop safer. **(2 marks)**

i. _____

ii. _____

2. Study the following simplified illustration.



a) Identify the item of personal protective equipment represented by the illustration. **(1 mark)**

_____

b) State **TWO reasons** for wearing appropriate personal protective equipment in a metalwork workshop. **(2 marks)**

i. _____

ii. _____

3. a) Name the appropriate tool used for each operation.

i. Measuring the length of a metal component accurately. _____ **(1 mark)**

ii. Making a fine line on a metal surface before cutting. _____ **(1 mark)**

iii. Checking whether two surfaces are at right angles. _____ **(1 mark)**

b) State **one reason** for cleaning a metal surface before marking out. **(1 mark)**

_____

_____

4. a) Define the following terms:

i. **Hardness (1 mark)**

_____

_____

ii. **Toughness (1 mark)**

_____

_____

b) Distinguish between **malleability** and **ductility**. **(2 marks)**

_____

_____

_____

_____

5. a) Give **two examples of ferrous metals**. **(2 marks)**

i. _____

ii. _____

b) Give **two examples of non-ferrous metals**. **(2 marks)**

i. _____

ii. _____

6. Define the terms metals and metalwork. (2marks)

_____

_____

_____

_____

7. Name any TWO careers in the field of metalwork. (2 marks)

i. _____

ii. _____

8. Name the TWO aspects of safety. (2 marks)

i. _____

ii. _____

9. List any TWO safety rules in a metal workshop. (2 marks)

i. _____

ii. _____

10. Metal cutting tools should be made using hard materials.Explain why and name those two metals. (2marks)

_____

_____

_____

_____

11. Give two differences between Steel and aluminium. (2marks)

i. _____

ii. _____

12. The figure shows a tool used in measuring and checking.



a. Give the name of the tool and name the material used for making it. (2marks)

Tool name	*Material used*

b. Give two uses of the tool. (2marks)

i. _____

ii. _____

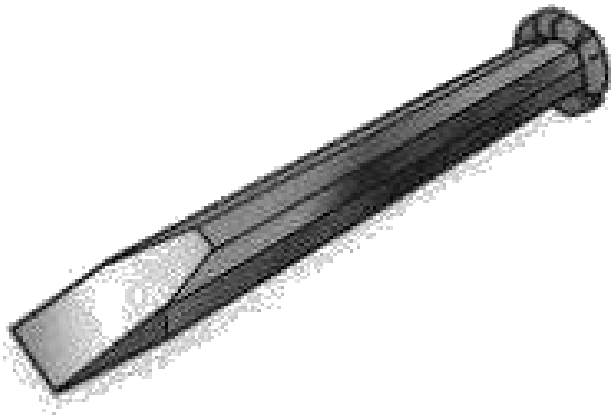
13. Why is the cutting edge of a cold chisel hardened while the end struck by a hammer tempered. (2marks)

_____

_____

_____

14. The figure below shows a tool used in cutting metals.



Name the problem that the tool has ,state the cause of it and explain how to correct it. (2marks)

Problem	
Cause	
Correction	

15. The figure below shows a metal cutting tool.



a) Give the name of the tool and its use. (2marks)

Tool: _____.

Use: _____

b) State two reasons for notching edges of sheet metal. (2marks)

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

16. Figure 2 shows orthographic views of a machined block drawn in third angle projection.

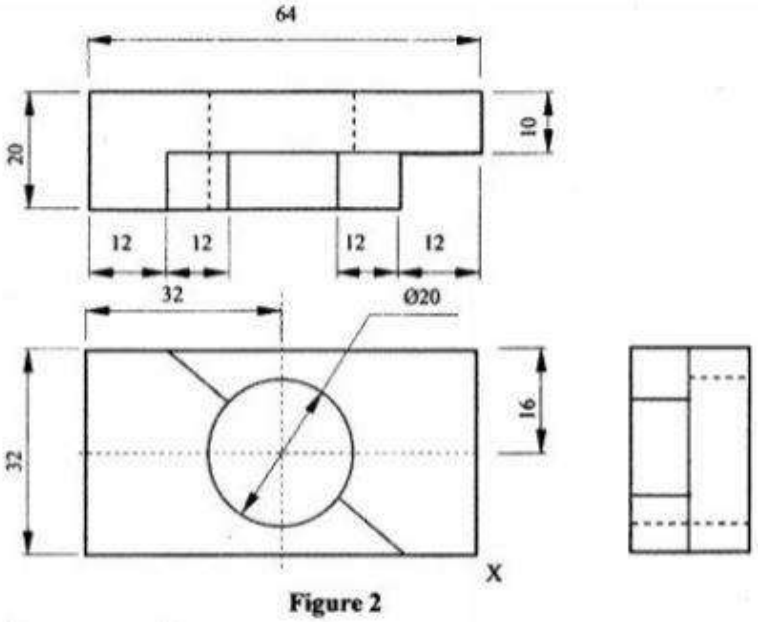


Figure 2

On the grid paper provided, draw the isometric view of the block taking X as the lowest point. Show three main dimensions. (15 marks)

17. A learner is required to cut, hold, file and finish a mild-steel workpiece.

a) Name a suitable tool for each of the following operations. **(4 marks)**

i. Holding the workpiece firmly: _____

ii. Cutting the metal: _____

iii. Removing small amounts of metal: _____

iv. Checking a right angle: _____

b) Explain **two factors** that should be considered when selecting a file for a metalworking operation. **(2 marks)**

i. _____

ii. _____

c) State **two safety precautions** when using a hacksaw. **(2 marks)**

i. _____

ii. _____

d) State **two ways of maintaining hand tools**. **(2 marks)**

i. _____

ii. _____

18. A school workshop wants to manufacture the following items:

- *A school gate;*
- *Electrical connecting wire;*
- *A lightweight sheet-metal container;*
- *A component that must resist corrosion.*

a) Select a suitable metal for each item. **(4 marks)**

i. School gate: _____

ii. Electrical connecting wire: _____

iii. Lightweight sheet-metal container: _____

iv. Corrosion-resistant component: _____

b) Give **two properties** of mild steel that make it suitable for fabrication work. **(2 marks)**

i. _____

ii. _____

c) State **two advantages of using aluminium** in sheet-metal work. **(2 marks)**

i. _____

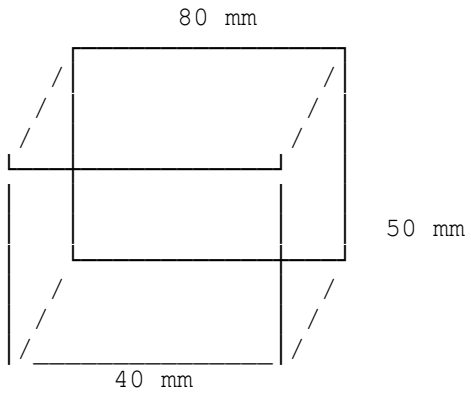
ii. _____

d) State **two factors that influence the choice of a metal** for a particular product. **(2 marks)**

i. _____

ii. _____

19. Study the object below.



a) Identify the type of pictorial drawing represented above. _____ **(1 mark)**

b) State **two characteristics** of this type of drawing. **(2 marks)**

i. _____

ii. _____

c) State the purpose of using a **scale** in technical drawing. **(2 marks)**

_____

_____

d) Name **three instruments** that can be used to produce accurate technical drawings. **(3 marks)**

i. _____

ii. _____

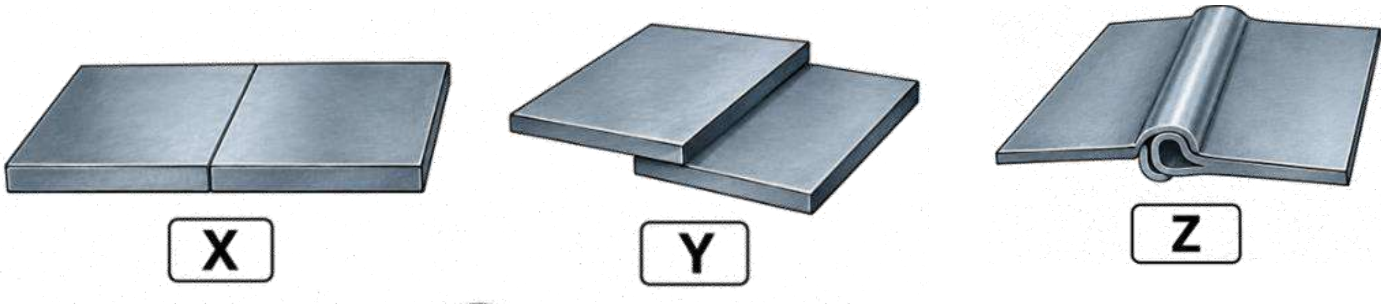
iii. _____

e) State **two qualities of a good technical drawing**. **(2 marks)**

i. _____

ii. _____

20. Study the three simplified joints below.



a) Identify joints **X, Y and Z**. **(3 marks)**

X: _____

Y: _____

Z: _____

b) State **three methods of joining sheet metal**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Describe how a **riveted joint** is produced from two pieces of sheet metal. **(3 marks)**

_____

_____

_____

d) State **one safety precaution** when drilling holes in sheet metal. **(1 mark)**

_____

_____

21. A learner is required to make a small **metal dustpan** from a sheet of mild steel.

a) State **four operations** that may be carried out during the manufacture of the dustpan. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Explain the importance of **marking out** before cutting the sheet metal. **(2 marks)**

_____

_____

c) State **two methods that could be used to join parts of the dustpan**. **(2 marks)**

i. _____

ii. _____

d) State **two ways of evaluating the completed dustpan**. **(2 marks)**

i. _____

ii. _____



KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – MUSIC AND DANCE

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

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SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define the term **rhythm** as used in music. **(2 marks)**

_____

_____

b) Distinguish between a **beat** and a **rhythm**. **(2 marks)**

_____

_____

c) State **two examples of compound time signatures**. **(2 marks)**

i. _____ ii. _____

2. a) What is a **melody**? **(1 mark)**

_____

_____

b) State the sequence of tones and semitones in a major scale, beginning from the first degree. **(2 marks)**

_____

_____

c) Write the **G major scale** in ascending order. **(2 marks)**

_____

_____

3. The following notes form a short melody:

C – D – E – G – F – E – D – C

a) Write the melody **one tone higher**. **(2 marks)**

_____

_____

b) State the new key if the original melody is in **C major**. **(1 mark)**

_____

_____

c) Give **one reason** for transposing a song. **(1 mark)**

_____

_____

4. Consider the following words:

KENYA, OUR BEAUTIFUL LAND,
WE SHALL CARE FOR YOU.

a) State **two factors** that a composer should consider when setting these words to music. **(2 marks)**

i. _____

ii. _____

b) Explain how the **meaning of the text** can influence the melody. **(2 marks)**

_____

_____

_____

_____

5. a) Explain the meaning of **harmony** in music. **(2 marks)**

_____

_____

b) What is meant by **two-part harmony**? **(1 mark)**

_____

_____

c) State **two qualities of a good second vocal part**. **(2 marks)**

i. _____

ii. _____

6. a) Name **one type of music notation software** that may be used to create a musical score. **(1 mark)**

_____

b) State **two advantages of using music notation software**. **(2 marks)**

i. _____

ii. _____

7. a) What is a **dance composition**? **(1 mark)**

_____

_____

b) State **two factors that should be considered when planning a dance performance**. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

8. Read the scenario below.

Learners from different Kenyan communities are preparing a cultural concert. Each group selects a folk song from its community. The performers research the purpose, language, instruments, movements and occasions associated with the song before presenting it to the audience.

a) What is a **folk song**? **(2 marks)**

_____

_____

b) State **three functions of Kenyan folk songs**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Give **two reasons why research is important before performing a folk song from another community**. **(2 marks)**

i. _____

ii. _____

d) State **three features that may be observed in a Kenyan folk-song performance**.**(3 marks)**

i. _____

ii. _____

iii. _____

9. a) Explain the term **vocal solo**. **(2 marks)**

_____

_____

b) State **three technical skills required by a solo singer**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain the importance of **breath control** in singing. **(2 marks)**

_____

_____

10. Study the instruments below.



Instrument A



Instrument B



Instrument C

a) Identify the **Hornbostel-Sachs family** represented by Instrument A. **(1 mark)**

_____

b) Identify the likely family represented by Instrument B. **(1 mark)**

_____

c) Identify the likely family represented by Instrument C. **(1 mark)**

_____

d) Explain the following classifications:

i. **Idiophones (1 mark)**

_____

_____

ii. **Membranophones (1 mark)**

_____

_____

iii. **Chordophones (1 mark)**

_____

_____

iv. **Aerophones (1 mark)**

_____

_____

e) Give **one example of a Kenyan indigenous instrument** for any one of the classifications above. **(1 mark)**

_____

_____

11. Study the descriptions below.

X



Y



Z



a) Name **one Western instrument** that could be represented by each description.

i. X: _____ **(1 mark)**

ii. Y: _____ **(1 mark)**

iii. Z: _____ **(1 mark)**

b) State **two broad families of Western instruments**. **(2 marks)**

i. _____

ii. _____

c) State **two factors that determine the tone quality of an instrument**. **(2 marks)**

i. _____

ii. _____

12. a) Define **contemporary dance**. **(2 marks)**

_____

_____

b) State **three movement elements used in dance**. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **one way in which Kenyan culture can be incorporated into contemporary dance**. **(1 mark)**

_____

_____

d) State **two safety measures that dancers should observe during rehearsal or performance**. **(2 marks)**

i. _____

ii. _____

13. a) Name the period associated with **Gregorian chant**. **(1 mark)**

_____

_____

b) State **two characteristics of Medieval music**. **(2 marks)**

i. _____

ii. _____

c) State **two characteristics of Renaissance music**. **(2 marks)**

i. _____

ii. _____

14. a) Explain **two ways in which music and dance promote social cohesion**. **(2 marks)**

i. _____

ii. _____

b) State **two ways technology has changed the production and distribution of music**. **(2 marks)**

i. _____

ii. _____

c) State **one ethical consideration when recording and sharing a traditional cultural performance online**. **(1 mark)**

_____

_____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – PHYSICAL EDUCATION

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your full name in the space provided above.
2. Indicate your school, stream, admission number, and date clearly.
3. This paper has **TWO sections: A and B**.
4. Attempt **ALL questions** in both sections.
5. Show all working clearly where necessary.
6. Write all answers in the spaces provided.
7. Do NOT remove any page from this paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

1. a) Name **two** ways of controlling a football when it is received from a teammate. (2 marks)

i. _____

ii. _____

b) State **one** reason why ball control is important in football. (1 mark)

_____

2. Study the sequence below.



a) Identify the football skill represented. _____(1 mark)

b) State **two** technical points that should be observed when performing the skill. (2 marks)

i. _____

ii. _____

3. a) What is meant by **pivoting** in netball? (1 mark)

_____

_____

b) State **two** situations in which pivoting can be useful to a netball player. (2 marks)

i. _____

ii. _____

4. Study the diagram below.



a) Identify the volleyball skill represented. _____ (1 mark)

b) State **two** technical points to observe when performing the skill. (2 marks)

i. _____

ii. _____

5. a) Name **one** type of throw used to restart or continue play in handball. (1 mark)

_____

b) Explain **two** factors that determine the accuracy of a handball pass. (2 marks)

i. _____

ii. _____

6. a) What is meant by **dribbling** in basketball? (1 mark)

_____

b) State **two** purposes of dribbling during a basketball game. (2 marks)

i. _____

ii. _____

7. Study the illustration.



a) Identify the equipment illustrated. _____ (1 mark)

b) State **two** advantages of using a starting blocks in sprinting. (2 marks)

i. _____

ii. _____

8. State **three** technical considerations during the approach/run-up phase of a long jump. (3 marks)

i. _____

ii. _____

iii. _____

9. a) State **one** correct way of carrying a javelin before the throwing phase. (1 mark)

_____

b) Give **two** reasons why safety procedures are particularly important in javelin. (2 marks)

i. _____

ii. _____

10. a) Name **one** technique that may be used to put the shot. (1 mark)

_____

b) State **two** technical points that should be observed when putting the shot. (2 marks)

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

11. A Grade 10 football team is preparing for an inter-school competition.

a) Describe four stages **involved in performing a controlled** inside-foot pass **in football. (4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) Explain three ways **in which a football player can create space during an attacking situation. (3 marks)**

i. _____

ii. _____

iii. _____

c) State three responsibilities of an outfield player **when the team is defending. (3 marks)**

i. _____

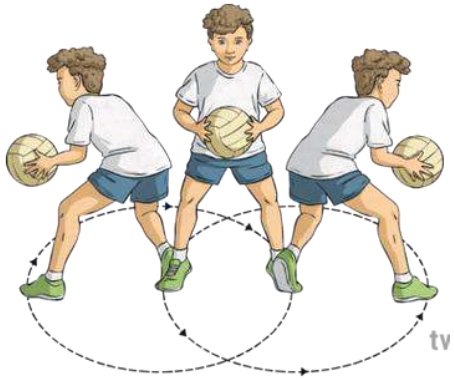
ii. _____

iii. _____

12.

(a) NETBALL

Study the simplified movement below.



i. Identify the movement illustrated. _____ (1 mark)

ii. Describe **three important points** to observe when performing the movement. (3 marks)

i. _____

ii. _____

iii. _____

iii. State **two advantages** of effective footwork in netball. (2 marks)

i. _____

ii. _____

(b) i. Name the skill used to send the ball forcefully over the net during an attacking volleyball play. (1 mark)

_____

ii. Explain **three technical points** involved in executing this skill effectively. (3 marks)

i. _____

ii. _____

iii. _____

13. (a) A player has possession of the ball and wants to move past a defender.

i. Explain **three ways** the player can use body movement to evade the defender in a handball game. (3 marks)

i. _____

ii. _____

iii. _____

ii. State **two qualities** of an effective handball goalkeeper. (2 marks)

i. _____

ii. _____

(b) A learner is practising dribbling around opponents.

i. Describe **three important techniques** for effective basketball dribbling. (3 marks)

i. _____

ii. _____

iii. _____

ii. Explain **two reasons** why a player should avoid unnecessary dribbling during a game. (2 marks)

i. _____

ii. _____

14. (a) Study the sprints sequence below.

A B C



i. Identify the three stages represented by A, B and C. (3 marks)

A: _____

B: _____

C: _____

ii. Explain **two** ways in which arm action contributes to effective sprinting. (2 marks)

i. _____

ii. _____

(b) i. Name the four main phases of the long jump. (2 marks)

ii. Explain **one** important technique during the flight phase. (1 mark)

_____

iii. State **two** safety measures to observe when performing long jump. (2 marks)

i. _____

ii. _____

15. (a)

i. Distinguish between **javelin** and **shot put** according to the direction/manner in which the implement is propelled. (2 marks)

_____

_____

_____

_____

ii. Explain **two** factors that can affect the distance achieved in a throwing event. (2 marks)

i. _____

ii. _____

(b) The school has introduced optional sports to broaden learners' participation in Physical Education.

i. Name **three** optional sports studied at Grade 10 level. (3 marks)

i. _____

ii. _____

iii. _____

ii. Choose **one** sport named in (b)(i) and state **one basic skill** used in it. (1 mark)

_____

(c) State two **benefits of regular participation in physical activities. (2 marks)**

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – PHYSICS

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO LEARNERS

1. This paper consists of **TWO sections: A and B**.
2. Answer **ALL questions** in both sections.
3. Show **all working** in numerical questions.
4. Give answers to numerical questions to an appropriate number of significant figures where necessary.
5. Use the following values unless otherwise stated:
   - $g = 10\ N/kg$
   - Density of water $= 1000\ kg/m^3$
   - Speed of sound in air $= 340\ m/s$
   - Speed of light $= 3.0 \times 10^8\ m/s$
   - Take $\pi = 3.14$.
6. Non-programmable calculators may be used where necessary.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

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SCORE RANGE	30 MARKS	60 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1.

a) Explain why Physics is considered a fundamental science. (1 mark)

_____

_____

b) State **two ways in which Physics is related to other fields of study.** (2 marks)

i. _____

ii. _____

2. A student descends in a swimming pool to a depth of **4.5 m**.

a) Calculate the pressure exerted by the water at this depth. (2 marks)

b) State **one factor**, apart from depth, that affects pressure in a liquid. (1 mark)

_____

_____

2. A hydraulic press has a small piston of area $0.015\,m^2$ and a large piston of area $0.60\,m^2$.

A force of **250 N** is applied to the small piston.

a) Calculate the pressure transmitted through the liquid. (1 mark)

b) Calculate the force produced by the large piston. (2 marks)

3. A spring is **25 cm** long when unloaded. When a force of **40 N** is applied, its length increases to **33 cm**.

a) Calculate its extension in metres. (1 mark)

b) Determine the spring constant. (2 marks)

4.

a) Explain why a metal lid on a glass jar can sometimes be loosened by placing the lid in warm water. (2 marks)

_____

_____

b) State the unusual property of water between $0°C$ and $4°C$. (1 mark)

_____

_____

5. A **30 N** force acts perpendicular to a spanner at a distance of **0.25 m** from the pivot.

a) Calculate the moment of the force. (1 mark)

b) State **two ways** of increasing the turning effect of the force. (2 marks)

i. _____

ii. _____

6. A machine raises a **200 kg** load through a vertical height of **12 m** in **8 seconds**.

a) Calculate the useful work done. (1 mark)

b) Calculate the useful power output of the machine. (2 marks)

7. A wave has a frequency of **25 Hz** and wavelength **1.2 m**.

a) Calculate its speed. (2 marks)

b) Distinguish between a **progressive wave** and a **stationary wave**. (1 mark)

_____

_____

_____

_____

8. A radioactive substance has a half-life of **5 hours**. Its initial activity is **9600 counts per minute**.

Determine its activity after **15 hours**. (3 marks)

9. A $12\,V$ battery is connected to a resistor of $4\,\Omega$.

a) Calculate the current through the resistor. (1 mark)

b) Determine the electrical energy converted to heat when the circuit operates for **5 minutes**. (2 marks)

SECTION B: 50 MARKS

Answer ALL questions.

10. A hydraulic lifting system is used in a garage to raise a vehicle. The small piston has a diameter of **4 cm**, while the large piston has a diameter of **40 cm**.

The vehicle has a mass of **1,600 kg**.

a)

State the principle that explains the operation of the hydraulic system. **(1 mark)**

_____

_____

b)

Calculate the weight of the vehicle. **(1 mark)**

c)

Calculate the area of:

i. the small piston;

ii. the large piston.

(3 marks)

d) Determine the minimum force that must be applied to the small piston to raise the vehicle.
(3 marks)

e) The small piston moves downwards through 0.80 m**. Assuming no energy losses, calculate the distance through which the large piston rises.** (2 marks)

11. A metal wire has an original length of **2.5 m** and a cross-sectional area of $2.0 \times 10^{-6}\, m^2$.

The following measurements are obtained:

Force/N	Extension/mm
0	0
50	1.0
100	2.0
150	3.0
200	4.0
250	5.0

a) State Hooke's law. (1 mark)

_____

_____

b) Using the data, determine the spring constant of the wire. (2 marks)

c) Calculate the stress in the wire when a force of 200 N **is applied.** (2 marks)

d) Calculate the strain produced when the force is 200 N**.** (2 marks)

e) Hence calculate the Young's modulus of the material. (2 marks)

f) Explain what would happen to the wire if the force were increased beyond its elastic limit. (1 mark)

_____

_____

12. A uniform beam of length **5.0 m** and weight **300 N** is supported at points A and B.

- A is **0.5 m** from the left end.
- B is **1.0 m** from the right end.
- A load of **800 N** is placed **1.5 m** from the left end.

a) State the two conditions required for the beam to remain in equilibrium. (2 marks)

_____

_____

_____

_____

b) Calculate the distance of the 800 N **load from support A.** (1 mark)

c) Calculate the distance of support B from support A. (1 mark)

d) The beam is uniform. Determine the position of its centre of gravity measured from A. (1 mark)

e) Taking moments about A, calculate the reaction force at B. (3 marks)

f) Hence determine the reaction force at A. (2 marks)

13. A construction company uses a machine to raise a load of **750 kg** from the ground to a platform **8 m** above the ground.

The machine requires an input force of **2,500 N**. During the operation, the effort moves through a distance of **32 m**.

a) Calculate the weight of the load. (1 mark)

b) Calculate the useful work done in raising the load. (2 marks)

c) Calculate the work input to the machine. (2 marks)

d) Determine the efficiency of the machine. (2 marks)

e) Calculate the mechanical advantage. (1 mark)

f) Calculate the velocity ratio. (1 mark)

g) Explain, using energy considerations, why the mechanical advantage is not necessarily equal to the velocity ratio in a real machine. (1 mark)

_____

_____

14. A remote weather station is powered by a **24 V battery** having an internal resistance of **2 Ω**. The battery is connected to an external resistor of **10 Ω**.

The station transmits a radio signal with a frequency of 1.5×10^8 **Hz**.
A radioactive source used for calibration has an initial activity of **12,800 Bq** and a half-life of **3 hours**.

a)

i. Calculate the total resistance of the circuit. **(1 mark)**

ii. Determine the current supplied by the battery. **(2 marks)**

iii. Calculate the terminal potential difference of the battery. **(1 mark)**

b)

Assuming the radio signal travels at $3.0 \times 10^8\ m/s$, calculate its wavelength. **(2 marks)**

c)

Calculate the activity of the radioactive source after **12 hours**. **(2 marks)**

d)

The weather station records a long-term increase in average temperature.

i. Explain how increased concentration of greenhouse gases can contribute to this observation. **(1 mark)**

_____

_____

ii. State **one practical technological measure** that can help reduce greenhouse-gas emissions. **(1 mark)**

_____

_____

KENYA CERTIFICATE OF BASIC EDUCATION

SENIOR SCHOOL ASSESSMENT

ENDTERM ASSESSMENTS 2026



GRADE 10 – POWER MECHANICS
Time: 2 Hours 30 Minutes

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
4. This paper consists of two sections: A and B.
5. Answer all questions in section A and section B.
6. Answer the questions in English.
7. All answers MUST be written in the spaces provided in the paper.
8. Do NOT remove any page from this question paper.
9. For technical drawing questions, ensure **all construction steps are clearly shown**

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) Define the term **Power Mechanics** as a learning area. (2 marks)

_____

_____

b) State **two areas of application** of Power Mechanics in everyday life. (2 marks)

i. _____

ii. _____

c) State **two career opportunities** available to a learner who studies Power Mechanics. (2 marks)

i. _____

ii. _____

2. a) State **two important developments** that contributed to the evolution of the automobile from early vehicles to modern vehicles. (2 marks)

i. _____

ii. _____

b) Explain **three benefits of technological development in modern automobiles**. (3 marks)

i. _____

ii. _____

iii. _____

3. a) State **three general safety rules** that should be observed in a Power Mechanics workshop. (3 marks)

i. _____

ii. _____

iii. _____

b) Give **two examples of personal protective equipment (PPE)** used in a Power Mechanics workshop. (2 marks)

i. _____

ii. _____

4.

a. List **four** contents of a first aid box. (2 marks)

i. _____

ii. _____

iii. _____

iv. _____

b. Make a sketch of a double cut flat file. (2 marks)

5.

a. State the meaning of each of the following engine terminologies: (3 marks)

i. bore;

_____

_____

ii. throw;

_____

_____

iii. volumetric efficiency.

_____

_____

b. State two functions of the charging system in an engine.(2 marks)

i. _____

ii. _____

6.

a. Name three checks that must be carried out when fitting new piston rings on a dismantled single cylinder engine piston.(3 marks)

i. _____

ii. _____

iii. _____

b. Figure 1 shows two measurements A and B performed as an engine component.

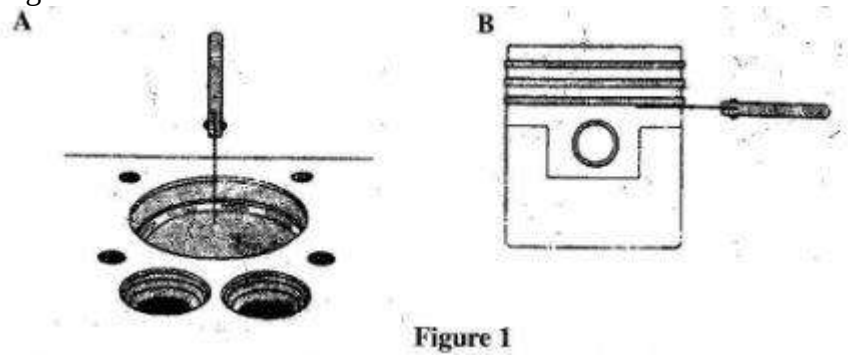


Figure 1

Name the measurement, the component and the tool used in each case.(2 marks)

Measurement	Component	Tool

SECTION B (50 marks)

Answer question 7 and any other FOUR questions from this section.

7. Figure 3 shows an isometric drawing of an engine mounting, Draw, full size in first angle projection the following views:

a. Front elevation in the direction of arrow A;
b. End elevation;
c. Plan.(10-marks)

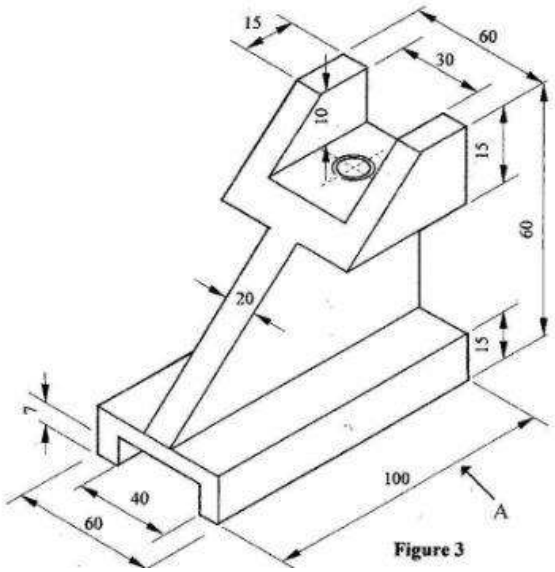


Figure 3

8.

a. State how the size of each of the following tools is determined: (4 marks)
   i. open end spanner;

ii. ball pein hammer.

_____

_____

b. Make a freehand drawing of straight snips and label two main parts.(6 marks)

9. a) Name **four important areas** that may be found in a well-organised Power Mechanics workshop. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

b) Explain **three reasons why proper workshop layout is important**. (3 marks)

i. _____

ii. _____

iii. _____

c) State **three factors that should be considered when planning the layout of a Power Mechanics workshop**. (3 marks)

i. _____

ii. _____

iii. _____

10. During practical work, a learner notices that a mechanic is working beneath a vehicle supported only by a jack. Some tools are scattered on the workshop floor and used oil has been spilled near the working area.

a) Identify **three unsafe practices** in the situation described above. (3 marks)

i. _____

ii. _____

iii. _____

b) Explain the possible danger associated with each unsafe practice identified in (a). (3 marks)

i. _____

ii. _____

iii. _____

c) Describe **four measures** that should be taken to maintain safety and cleanliness in the workshop. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

11. a) Define the following terms as used in technical drawing:

i. **Tangency** (2 marks)

_____
_____

ii. **Blending of curves** (2 marks)

_____
_____

b) Explain **two applications of loci in Power Mechanics**. (2 marks)

i. _____

ii. _____

c) A technician is designing a curved component for a vehicle body. Explain why **tangency and blending of curves** are important when preparing the drawing of such a component. (2 marks)

_____
_____

d) State **two qualities of a good technical drawing**. (2 marks)

i. _____

ii. _____

12. a) Identify the three major vehicle components. (3 marks)

i. _____

ii. _____

iii. _____

b) State **two functions of the vehicle chassis**. (2 marks)

i. _____

ii. _____

c) Explain **two functions of road wheels**. (2 marks)

i. _____

ii. _____

d) State **three factors that should be considered when selecting suitable road wheels for a vehicle**. (3 marks)

i. _____

ii. _____

iii. _____

13. a) State **four ways in which engines may be classified**. (4 marks)

i. _____

ii. _____

iii. _____

iv. _____

b) Distinguish between the following:

i. **Internal combustion engine and external combustion engine**. (2 marks)

_____

_____

ii. **Two-stroke engine and four-stroke engine**. (2 marks)

_____

_____

c) State **two advantages of an internal combustion engine** in vehicle applications. (2 marks)

i. _____

ii. _____

14. a) State four possible causes of engine backfiring.(4 marks)

i. _____

ii. _____

iii. _____

iv. _____

b) Sketch and name two types of tyre tread patterns.(4 marks)

c) List four different components that are involved in absorbing shock when a vehicle hits a bump.(2 marks)

i. _____

ii. _____

iii. _____

iv. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – SPORTS AND RECREATION

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your full name in the space provided above.
2. Indicate your school, stream, admission number, and date clearly.
3. This paper has **TWO sections: A and B**.
4. Attempt **ALL questions** in both sections.
5. Show all working clearly where necessary.
6. Write all answers in the spaces provided.
7. Do NOT remove any page from this paper.

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TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. **(a)** Define **physical fitness**. **(1 mark)**

_____

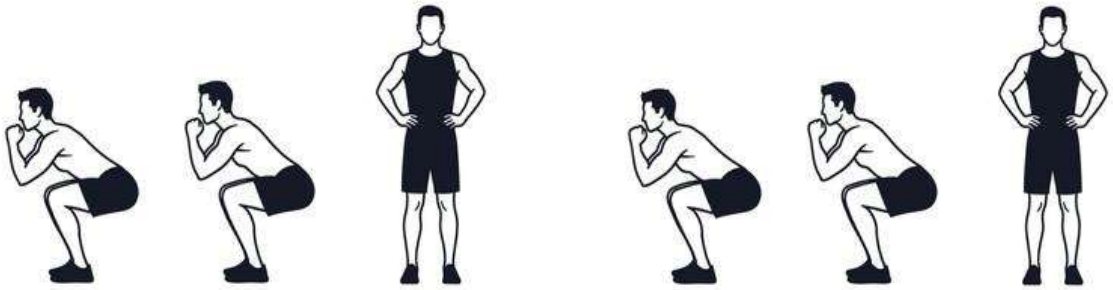
_____

(b) State **two components of physical fitness** that are important to a sports performer. **(2 marks)**

i. _____

ii. _____

2. Study the following sequence of movements.



The learner repeatedly bends the knees, lowers the body and returns to the standing position.

(a) Identify the exercise illustrated. **(1 mark)**

_____

(b) Name **one major muscle group** involved in the exercise. **(1 mark)**

_____

(c) State **one fitness component developed by the exercise**. **(1 mark)**

_____

3. (a) What is meant by **muscular endurance**? **(1 mark)**

_____

_____

(b) State **two activities that can be used to develop muscular strength**. **(2 marks)**

i. _____

ii. _____

4. A learner runs continuously for 20 minutes without stopping.

(a) Identify the major fitness component being developed. **(1 mark)**

_____

(b) Explain **two benefits of cardiovascular endurance** to the learner. **(2 marks)**

i. _____

ii.

_____

5. (a) Define flexibility. **(1 mark)**

_____

_____

(b) State **two activities that can improve flexibility**. **(2 marks)**

i. _____

ii. _____

6. (a) What is meant by **good posture**? **(1 mark)**

_____

_____

(b) Give **two effects of maintaining poor posture during physical activity**. **(2 marks)**

i. _____

ii. _____

7. A player sustains the injury shown above after landing awkwardly.



(a) Identify the likely type of injury. **(1 mark)**

_____

(b) State **two immediate management measures** that may be appropriate. **(2 marks)**

i. _____-

ii. _____

8. **(a)** Distinguish between **recreation** and **competitive sport**. **(2 marks)**

_____

_____

_____

(b) Give **one example of a recreational activity**. **(1 mark)**

_____

9. A coach notices that learners have different abilities and levels of fitness.

(a) State **one reason why a coach should assess learners before designing a training programme**. **(1 mark)**

_____

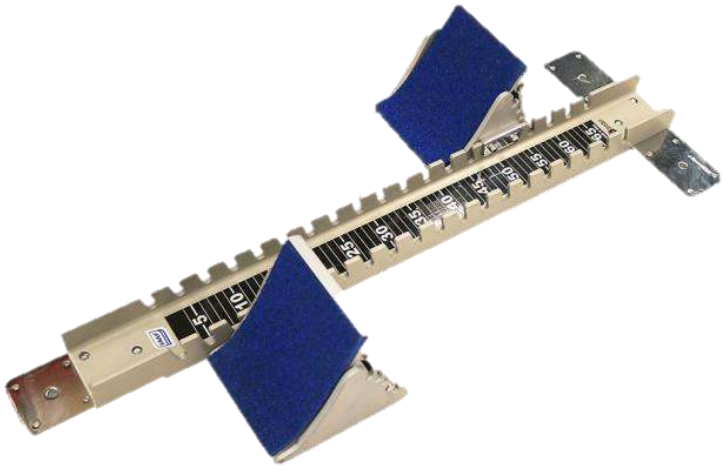
_____

(b) State **two qualities of a good sports coach**. **(2 marks)**

i. _____

ii. _____

10. Kilgoris boys senior school bought the following athletics equipment



S



T

(a) Identify the official's equipment labelled. **(1 mark)**

S: _____

T: _____

(b) State **two duties of an athletics official**. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

11. A Grade 10 teacher wants to assess the fitness levels of learners before beginning a conditioning programme.

(a) Explain **three reasons for conducting fitness assessments** before training. **(3 marks)**

i. _____

ii. _____

iii. _____

(b) Explain how each of the following may be developed through suitable training:

(i) Muscular strength (2 marks)

_____

_____

(ii) Muscular endurance (2 marks)

_____

_____

(iii) Cardiovascular endurance (2 marks)

_____

_____

(c) State **one reason for allowing adequate recovery between demanding training sessions**. **(1 mark)**

_____

_____

12. A learner participates in gymnastics and athletics but has limited flexibility and poor body alignment.

(a) Explain **three factors that may influence an individual's flexibility**. **(3 marks)**

i. _____

ii. _____

iii. _____

(b) Describe **two appropriate methods of improving flexibility**. **(2 marks)**

i. _____

ii. _____

(c) Explain **three ways in which correct posture contributes to effective sports performance**. **(3 marks)**

i. _____

ii. _____

iii. _____

(d) State **two precautions to observe when performing flexibility exercises**. **(2 marks)**

i. _____

ii. _____

13. A school establishes a recreation programme involving hiking, dance, cycling, swimming, traditional games and nature walks.

(a) Explain **three physical benefits of participating regularly in recreational activities**. **(3 marks)**

i. _____

ii. _____

iii. _____

(b) Explain **three psychological or emotional benefits of recreation**. **(3 marks)**

i. _____

ii. _____

iii. _____

(c) Explain **two social benefits of recreational activities**. **(2 marks)**

i. _____

ii. _____

(d) Give **two factors that should be considered when selecting a recreational activity for learners**. **(2 marks)**

i. _____

ii. _____

14. During a school sports day, a learner falls while participating in an athletics event.

(a) Explain **three common causes of sports injuries**. **(3 marks)**

i. _____

ii. _____

iii. _____

(b) Explain **three measures that can be used to prevent sports injuries**. **(3 marks)**

i. _____

ii. _____

iii. _____

(c) Explain **two principles that should guide the immediate management of a sports injury**. **(2 marks)**

i. _____

ii. _____

(d) State **two situations in which an injured participant should be referred for professional medical attention**. **(2 marks)**

i. _____

ii. _____

15. You are assisting the sports teacher during an inter-school athletics competition.

(a) State and explain two responsibilities of a sports coach before a competition**.** (2 marks)

i. _____

ii. _____

(b) Explain three factors that a coach may consider when identifying sporting talent**.** (3 marks)

i. _____

ii. _____

iii. _____

(c) Explain three qualities of an effective sports official**.** (3 marks)

i. _____

ii. _____

iii. _____

(d) State two reasons why an official should remain impartial during competition**.** (2 marks)

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENTS 2026

GRADE 10 – THEATRE AND FILM

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write all the details as required above.
2. This paper consists of two sections: A and B.
3. Answer all questions in section A and section B.
4. Answer the questions in English.
5. All answers MUST be written in the spaces provided in the paper.
6. Do NOT remove any page from this question paper.

FOR OFFICIAL USE ONLY (EXAMINER'S USE)

SECTION	SECTION A	SECTION B	% SCORE	EE1	EE2	ME1	ME2	AE1	AE2	BE1	BE2
SCORE RANGE	30 MARKS	50 MARKS		90-100	75-89	58-74	41-57	31-40	21-30	11-20	1-10
POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30 MARKS)

Answer ALL questions in this section.

1. a) What is meant by the term **theatre**? **(1 mark)**

_____

_____

b) Define **film** as a form of artistic expression. **(1 mark)**

_____

_____

c) State **one similarity** between theatre and film. **(1 mark)**

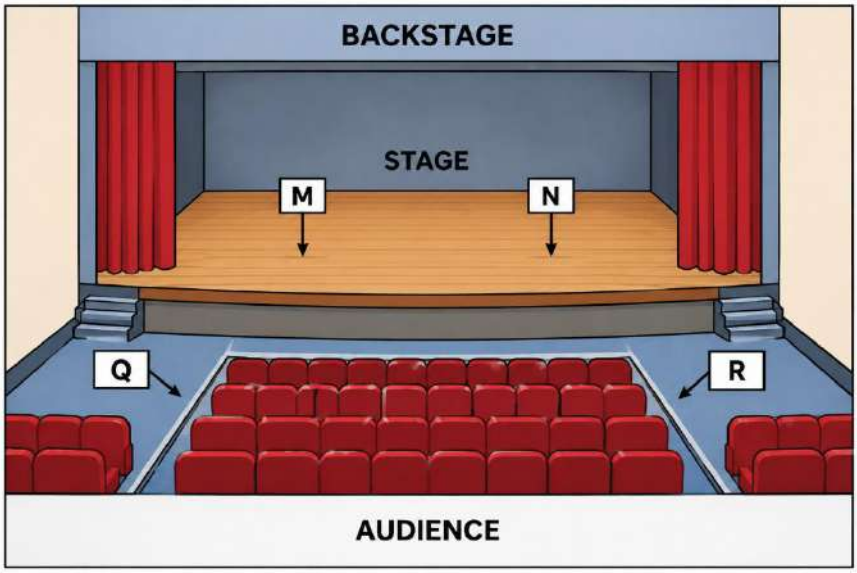
_____

_____

d) State **two differences** between live theatre and film production. **(2 marks)**

Live Theatre	Film Production

2. Study the stage diagram below.



a) Identify the stage position labelled **M**. _____ **(1 mark)**

b) Identify the stage position labelled **N**. _____ **(1 mark)**

c) Identify the two areas labelled **Q** and **R**. **(2 marks)**

Q: _____

R: _____

d) State **one reason** why actors need to understand stage directions. **(1 mark)**

_____

_____

3. a) What is a costume **in theatre?** (1 mark)

_____

_____

b) State **two functions of costume** in a theatrical production. **(2 marks)**

i. _____

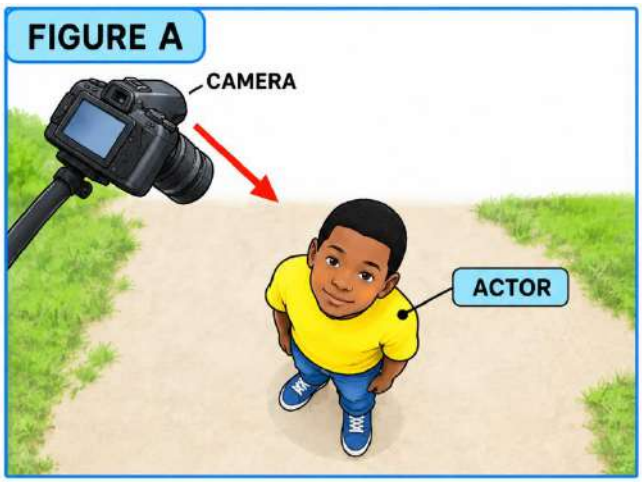
ii. _____

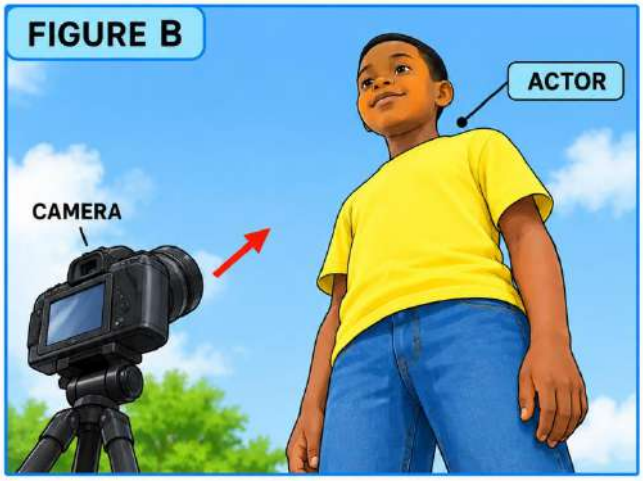
c) State **two factors** that a make-up artist should consider when preparing an actor for a performance. **(2 marks)**

i. _____

ii. _____

4. Study the simplified camera illustrations below.





a) State the camera position represented in **Figure A**. _____ **(1 mark)**

b) State the camera position represented in **Figure B**. _____ **(1 mark)**

c) Name **one type of camera shot** that can be used to show the entire body of an actor. **(1 mark)**

_____

_____

d) Give **two reasons why camera angles are important in film production**. **(2 marks)**

i. _____

ii. _____

5. a) What is a **rehearsal**? **(1 mark)**

_____

_____

b) State **two activities** that actors may undertake during rehearsals. **(2 marks)**

i. _____

ii. _____

c) Give **two reasons why rehearsals are important before a theatrical performance**. **(2 marks)**

i. _____

ii. _____

6. a) State **one safety precaution** when handling electrical theatre equipment. **(1 mark)**

_____

_____

b) Give **two safety precautions** to observe when constructing or arranging a stage set. **(2 marks)**

i. _____

ii. _____

c) State **two ethical practices** that should be observed when producing a theatre or film production involving members of the community. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions.

7. Read the following extract and answer the questions that follow.

MAYA: Why did you leave the meeting without telling anyone?

KELVIN: I was afraid they would laugh at my idea.

MAYA: An idea cannot help anyone if you keep it hidden.

KELVIN: Perhaps you are right. I will speak to them tomorrow.

(Maya walks towards Kelvin and places a hand on his shoulder.)

a) Identify the **two characters** in the extract. **(2 marks)**

i. _____

ii. _____

b) State the **setting** that could appropriately be used for this scene. Give a reason for your choice. **(2 marks)**

_____

_____

c) Identify **one stage direction** contained in the extract. **(1 mark)**

_____

d) State the **main conflict** presented in the extract. **(2 marks)**

_____

_____

e) Describe **three ways** in which an actor playing Kelvin could portray his emotions effectively. **(3 marks)**

i. _____

ii. _____

iii. _____

8. You have been appointed the director of a school play with six actors.

a) Define **blocking** in theatre. **(2 marks)**

_____

_____

b) State **three factors** you would consider when positioning actors on stage. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Explain **two ways** through which effective blocking improves a performance. **(2 marks)**

i. _____

ii. _____

d) State **three responsibilities of a theatre director during rehearsals**. **(3 marks)**

i. _____

ii. _____

iii. _____

9. Your school is preparing a play set in a traditional Kenyan village.

a) Suggest **two suitable stage-set features** for the production. **(2 marks)**

i. _____

ii. _____

b) Suggest **two appropriate costume features** for the characters. **(2 marks)**

i. _____

ii. _____

c) Give **two suitable props** that could be used in the production. **(2 marks)**

i. _____

ii. _____

d) State **two ways of creating the appropriate atmosphere through lighting**. **(2 marks)**

i. _____

ii. _____

e) Explain **two ways of using locally available materials in the production without compromising safety or artistic quality**. **(2 marks)**

i. _____

ii. _____

10. A group of learners has decided to produce a **five-minute short film about responsible use of social media**.

a) State **two activities involved in pre-production**. **(2 marks)**

i. _____

ii. _____

b) State **two activities undertaken during production**. **(2 marks)**

i. _____

ii. _____

c) State **two activities undertaken during post-production**. **(2 marks)**

i. _____

ii. _____

d) Explain **two reasons why a storyboard is useful in film production**. **(2 marks)**

i. _____

ii. _____

e) State **two ways of ensuring good-quality sound during filming**. **(2 marks)**

i. _____

ii. _____

11. Your school has been invited to perform a short community theatre production on **the importance of preserving Kenya's cultural heritage**.

a) Identify **two cultural aspects** that could be incorporated into the performance. **(2 marks)**

i. _____

ii. _____

b) State **two methods of involving the community in developing the production**. **(2 marks)**

i. _____

ii. _____

c) Explain **two ways theatre can help preserve cultural heritage**. **(2 marks)**

i. _____

ii. _____

d) Suggest **two performance techniques** that would make the production attractive to the audience. **(2 marks)**

i. _____

ii. _____

e) State **two ways of evaluating the success of the performance after presentation**. **(2 marks)**

i. _____

ii. _____

KENYA CERTIFICATE OF BASIC EDUCATION



SENIOR SCHOOL ASSESSMENT

DECEMBER ASSIGNMENT 2026

GRADE 10 – WOOD TECHNOLOGY

Time: 2 Hours

LEARNER'S DETAILS

Name: _____. **School:** _____.

Assessment Number: _____. **Date:** _____.

School Code: _____. **Signature:** _____.

INSTRUCTIONS TO CANDIDATES

1. Write your name in the spaces provided above.
2. Write the name of your school and your stream in the spaces provided.
3. Write your admission number and the date of the assessment in the spaces provided.
4. This paper consists of two sections: A and B.
5. Answer all questions in section A and section B.
6. Answer the questions in English.
7. All answers MUST be written in the spaces provided in the paper.
8. Do NOT remove any page from this question paper.

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POINTS				8 POINTS	7 POINTS	6 POINTS	5 POINTS	4 POINTS	3 POINTS	2 POINTS	1 POINT
LEARNER'S TOTAL SCORE											

SECTION A (30MARKS)

Answer ALL questions in this section.

1.

a) State **one reason** why woodwork has developed over time. **(1 mark)**

_____

_____

b) Name **two careers** related to woodwork. **(2 marks)**

i. _____

ii. _____

2.

State **three ways** in which woodwork contributes to the economic development of a country. **(3 marks)**

i. _____

ii. _____

iii. _____

3.

a) State **two features** of a well-designed wood workshop. **(2 marks)**

i. _____

ii. _____

b) State **one factor** that should be considered when arranging the layout of a wood workshop. **(1 mark)**

_____

_____

4.

State **three safety precautions** that should be observed when working in a wood workshop. **(3 marks)**

i. _____

ii. _____

iii. _____

5.

Classify each of the following tools according to their main function:

a) Jack plane _____**(1 mark)**

b) Tenon saw_____**(1 mark)**

c) Try square _____ **(1 mark)**

6.

Give **three reasons** why hand tools should be properly maintained. **(3 marks)**

i. _____

ii. _____

iii. _____

7.

a) State **one condition** necessary for healthy growth of timber trees. **(1 mark)**

_____

b) Name **two classifications of timber trees** based on the type of wood they produce. **(2 marks)**

i. _____

ii. _____

8.

Name the following parts of a tree trunk:

a) The outer protective layer _____ **(1 mark)**

b) The layer through which water and minerals move upwards _____ **(1 mark)**

c) The central part of the trunk _____**(1 mark)**

9.

a) Name **one method of timber conversion**. **(1 mark)**

_____

b) Name **one method of timber seasoning**. **(1 mark)**

_____

c) State **one reason** for seasoning timber. **(1 mark)**

_____

_____

10.

a) What is an adhesive? **(1 mark)**

_____

_____

b) State **two characteristics** of a good wood adhesive. **(2 marks)**

i. _____

ii. _____

SECTION B: 50 MARKS

Answer ALL questions in this section.

11.

a) State **two methods** used to transport timber logs from the forest to a timber-processing area. **(2 marks)**

i. _____

ii. _____

b) Explain **two factors** that influence the choice of a method of transporting timber logs. **(2 marks)**

i. _____

ii. _____

c) Name **three methods of timber conversion**. **(3 marks)**

i. _____

ii. _____

iii. _____

d) State **one difference** between natural seasoning and artificial seasoning. **(1 mark)**

i. _____

ii. _____

iii. _____

e) State **two reasons** why converted timber should be properly stacked during seasoning. **(2 marks)**

i. _____

ii. _____

12.

a) Distinguish between a **hand tool** and **workshop equipment**. **(2 marks)**

_____

_____

_____

_____

b) Give **four examples of hand tools** used in woodwork. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

c) State **two safety precautions** when using a woodworking machine or workshop equipment. **(2 marks)**

i. _____

ii. _____

d) Explain **one importance** of using the correct tool for a particular operation. **(1 mark)**

_____

_____

e) State **one way** of storing hand tools safely after use. **(1 mark)**

_____

_____

13.

a) List **four processes** involved in preparing timber for woodworking. **(4 marks)**

i. _____

ii. _____

iii. _____

iv. _____

b) State **two operations** that can be carried out on prepared wood. **(2 marks)**

i. _____

ii. _____

c) Name **two woodworking joints** used in the construction of wooden products. **(2 marks)**

i. _____

ii. _____

d) State **two roles of joints** in wood products. **(2 marks)**

i. _____

ii. _____

14.

a) Name the following woodworking joints:

i. A joint in which one member has a projection that fits into a corresponding hole in another member. **(1 mark)**

_____

ii. A joint formed by fitting two pieces together after removing equal portions from each. **(1 mark)**

_____

iii. A joint in which two pieces are joined end-to-end using a connecting member. **(1 mark)**

_____

iv. A joint formed by joining two pieces along their edges. **(1 mark)**

_____

b) Outline **four main steps** followed when preparing a mortise and tenon joint. **(4 marks)**

i. _____
ii. _____
iii. _____
iv. _____

c) Name **two fasteners** commonly used in woodworking. **(2 marks)**

i. _____
ii. _____

15.

a) State **three reasons** for finishing a wooden product. **(3 marks)**

i. _____
ii. _____
iii. _____

b) Name **three materials or tools** used when preparing a wood surface for varnishing. **(3 marks)**

i. _____

ii. _____

iii. _____

c) Outline **two steps** followed when preparing a wooden surface for applying clear varnish. **(2 marks)**

i. _____

ii. _____

d) State **one skill** acquired when constructing a furniture item as a project. **(1 mark)**

_____

e) State **one importance** of applying clear varnish to a wooden product. **(1 mark)**

_____

_____

KENYA CERTIFICATE OF BASIC EDUCATION

KCBE

SENIOR SCHOOL EDUCATION

Quality Education for a Brighter Future

HOLIDAY ASSIGNMENT
NOVEMBER – DECEMBER

Dear Learner,
Use this holiday to read, research, explore and grow. Be disciplined, work hard and make the most of your time.
Your future is in your hands!

GRADE 10

LEARN
PRACTICE
IMPROVE
SUCCEED

Education Builds a Better Tomorrow

KENYA CERTIFICATE OF BASIC EDUCATION
SENIOR SCHOOL EDUCATION

HOLIDAY ASSIGNMENT — NOVEMBER – DECEMBER — GRADE 10