



GRADE 7 PRETECHNICAL STUDIES

1. What is safety? (2mks)

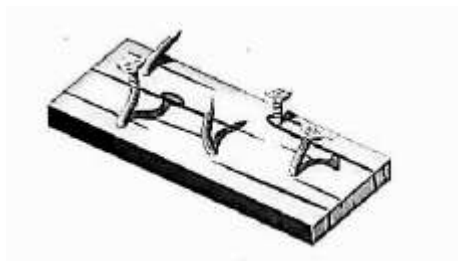
2. State three safety measures that need to be observed in the places people work. (3mks)

- i.

- ii.

- iii.

3. The picture below shows a physical threat in a workplace. Study it and state how it can pose a threat to people. (2mks)



- i.

- ii.

- iii.

4. List three physical threats in a workplace. (3mks)

- i.

- ii.

- iii.

5. Read the story below and use it to answer questions 5 and 6.

Kamau, a Grade 7 boy, joined TikTok to share his dance moves. People online said mean things about his videos. They called him names and made fun of him. Kamau felt sad and didn't know what to do.

a) What online threat did Kamau face on his TikTok account? (2mks)

- i.

- ii.

b) State one way he could reduce this threat. (2mks)

- i.

- ii.

6. State three ways to ensure your personal and sensitive data is safe from the public when online. (3mks)

- i.

- ii.

- iii.

7. _____ is an electronic device that processes or converts data into information. (2mks)
8. _____ are the raw facts such as numbers, symbols, images or letters that are not processed and have no meaning to the user. (2mks)
9. _____ is the processed data that is meaningful to the user. (2mks)
10. State three characteristics of computers. (3mks)

- i. _____
- ii. _____
- iii. _____

2

11. Microcomputers, minicomputers, mainframe computers and supercomputers are computers classified according to _____ (size, function, purpose). (2mks)
12. Name the following examples of computers. (3mks)



X



Y



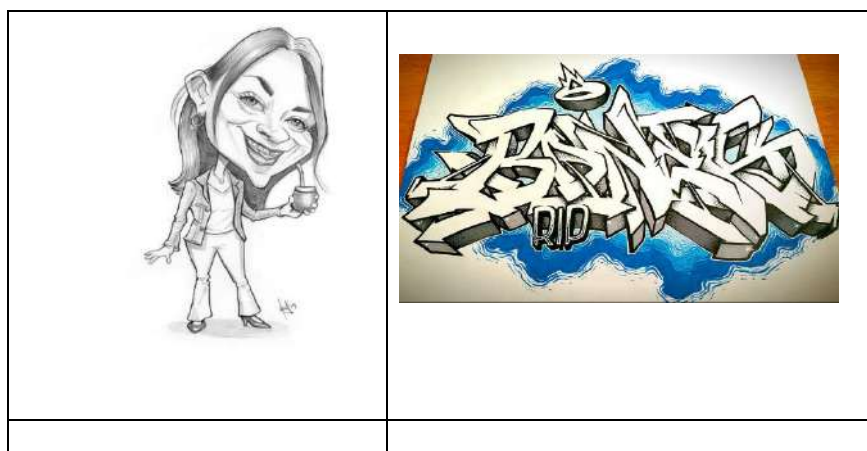
Z

X: _____

Y: _____

Z: _____

13. State whether the drawings below are illustration or portrait. (4mks)



14. State one difference between artistic and technical drawings. (2mks)

Artistic drawing	Technical drawing

15. Draw the following lines in the space below. (3mks)

Spiral line	Zigzag line	Dimension line

3

16. Group the following resources into human-made resources or natural economic resources. (4mks)
(Tarmac roads, mountains, machinery, lakes)

human-made resources	natural economic resources

17. Give one difference between metallic and non-metallic materials as economic resources. (2mks)

metallic	non-metallic

18. Name two measuring tools used in pre-technical studies. (2mks)

- _____
- _____

19. Identify the tool shown below. (2mks)



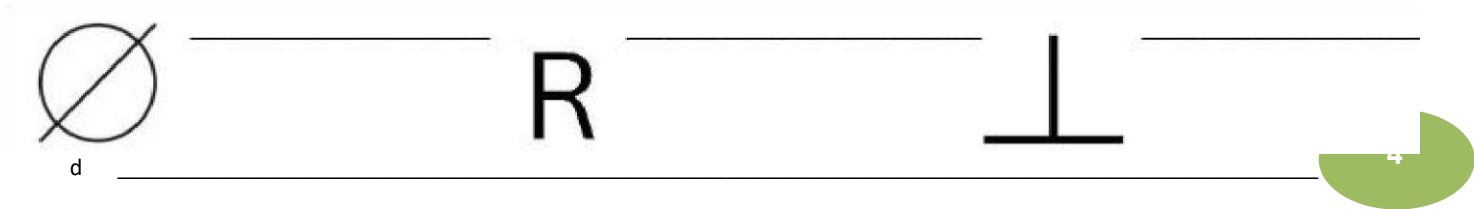
20. Explain one way Pre-technical studies promotes independence in the society. (2mks)

- _____
- _____
- _____

21. List down four ways you can use to keep personal and sensitive data away from the public when you are online. (4mks)

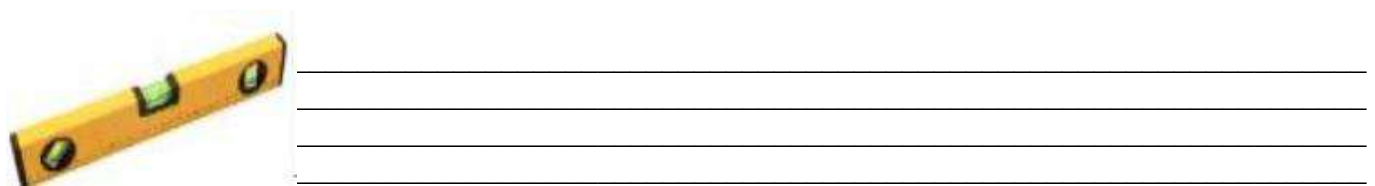
- i. _____
- ii. _____
- iii. _____
- iv. _____

22. Give the four classifications of computers according to size. (4mks)



23. Identify the following basic symbols used in technical drawing. (3mks)

24. List down four characteristics of economic resources. (4mks)



25. Give the identity and the use in which each of the following tools are used. (6mks)



Use: _____



Use: _____

Name: _____

Use: _____

26. State two importance of lubricating marking and measuring tools as a way of maintaining them. (2mks)

a _____

b _____

5

27. Grade seven learners of Bungoma junior school were discussing about production of goods and services. State two importance of production of goods and services in the society. (2mks)

a _____

b _____

28. By giving their meaning, state the difference between goods and services. (2mks)

29. Write down four different groups in which goods are classified. (4mks)

a _____

b _____

c _____

d _____

30. Give two qualities of an entrepreneur. (2mks)

a _____

b _____

31. _____ refers to the thought that is in the mind of an entrepreneur concerning a potential business opportunity. (1mk)

32. State two factors entrepreneurs should consider to enhance business success in the society. (2mks)

a _____

b _____

33. Give three characteristics of money. (3mks)

a _____

b _____

c _____

6

34. Name the three symbols found on the Kenyan currency note with agriculture as the theme. (3mks)

a _____

b _____

c _____

Learner's sign: _____.

Guardian's sign: _____.

Date completed: _____.

PRETECHNICAL STUDIES

1. Safety is the state of being free from harm, danger, or injury. It involves taking precautions to protect oneself and others from accidents and risks.

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2.

- i. Keep the workplace clean and free from obstacles.
- ii. Use protective clothing and equipment.
- iii. Follow safety rules and guidelines.

3.

- i. It can cause injury to people.
- ii. It may lead to accidents in the workplace.
- iii. It can damage property or equipment.

4.

- i. Fire outbreaks
- ii. Slips, trips, and falls
- iii. Electrical hazards

5.

- a)
 - i. Cyberbullying
 - ii. Online harassment

- b)
 - i. Block or report the bullies.
 - ii. Adjust privacy settings.

6.

- i. Use strong passwords.
- ii. Avoid sharing personal information online.
- iii. Enable privacy settings.

7. Computer
8. Data
9. Information
- 10.

- i. Speed
- ii. Accuracy
- iii. Storage capacity

11. Size

12.

X: Laptop

Y: Smartphone

Z: Smartwatch

13.

a Caricature

b Graffiti

14.

Artistic drawing

Technical drawing

Focuses on creativity and beauty Focuses on accuracy and measurements

15.

Spiral line – curved circular line

Zigzag line – line with sharp angles

Dimension line – straight line with arrowheads at both ends

16.

Human-made resources Natural economic resources

Tarmac roads

Mountains

Machinery

Lakes

17.

Metallic

Non-metallic

Good conductors of heat and electricity Poor conductors of heat and electricity

18.

i. Ruler

ii. Vernier caliper

19. Tape measure

20.

i. It equips people with practical skills.

ii. It promotes self-reliance.

iii. It helps people solve problems independently.

21.

- i. Use strong passwords.
- ii. Enable two-factor authentication.
- iii. Avoid sharing sensitive information publicly.
- iv. Use privacy settings on accounts.

22.

- a. Supercomputers
- b. Mainframe computers
- c. Minicomputers
- d. Microcomputers

23.

- i. Diameter symbol
- ii. Radius symbol
- iii. Perpendicular symbol

24.

- i. Scarcity
- ii. Utility
- iii. Transferability
- iv. Value

25.

Name: Spirit level
Use: Used to check whether a surface is level or vertical.

Name: Stopwatch
Use: Used to measure time taken during an activity.

Name: Eraser
Use: Used to remove pencil marks from paper.

26.

- a. Reduces wear and tear.
- b. Ensures smooth and accurate operation.

27.

- a. Promotes economic growth.
- b. Helps meet people's needs and wants.

28. Goods are tangible products that can be seen and touched, while services are activities offered to satisfy needs and cannot be touched.

29.

- a. Consumer goods
- b. Capital goods
- c. Intermediate goods
- d. Public goods

30.

- a. Risk taker
- b. Innovative

31. Business idea

32.

- a. Customer needs and market demand
- b. Availability of capital/resources

33.

- a. Medium of exchange
- b. Store of value
- c. Durable

34.

- a. Maize
- b. Tea
- c. Livestock

