

AGRICULTURE AND NUTRITION EXAMINATION
MARKING SCHEME



SECTION A (20 MARKS)

1: (4 Marks)

Award 1 mark for each correct match.

Item	Answer
(a) Cattle	Provides milk and beef
(b) Poultry	Provides eggs and poultry meat
(c) Sheep	Provides wool and mutton
(d) Donkey	Used for transport and pulling carts

2: (4 Marks)

(a) Name two food crops for direct sowing.

Award 1 mark each (Max: 2 marks).

- Carrots
- Millet

Accept: coriander (dhania), spinach, or any other valid direct-sown crop.

(b) List two maintenance practices.

Award 1 mark each (Max: 2 marks).

- Watering / Irrigation
- Weeding
- Thinning
- Applying mulch

3: (4 Marks)

(a) Identify materials based on the visual guide.

Award 1 mark each (Max: 2 marks).

Category	Acceptable Answers
Brown material	Twigs / Sawdust / Paper / Dry leaves
Green material	Grass clippings / Vegetable scraps / Eggshells
a). Compost manure	

b).

- E - Dry leaves
- F - Maize stalk

(c) State two reasons for using compost manure.

Award 1 mark each (Max: 2 marks).

- Adds essential nutrients to the soil.
- Improves soil structure and water retention.
- Provides an environmentally friendly method of waste disposal.
- Saves money by using locally available materials.

4: (4 Marks)

(a) Identify two safe fuel conservation practices.

Award 1 mark each (Max: 2 marks).

- Putting off the fire immediately after cooking.
- Using fuel-efficient equipment such as improved jikos.
- Covering cooking pots with lids.
- Soaking hard foods before cooking.

(b) Explain the importance of fuel conservation.

Award 2 marks for a well-explained answer.

Sample Answer:

Fuel conservation minimizes wastage of natural resources and reduces household expenses spent on buying fuels such as gas, charcoal, or kerosene.

5: (4 Marks)

(a) State two personal hygiene practices.

Award 1 mark each (Max: 2 marks).

- Washing hands with clean water and soap before handling food.
- Wearing clean PPE such as aprons or headgear.
- Keeping fingernails short and clean.

(b) State two domestic hygiene practices.

Award 1 mark each (Max: 2 marks).

- Regular sweeping, dusting, and mopping.

- Proper disposal of refuse and waste.

SECTION B (30 MARKS)

6: (10 Marks)

(a) Identify the structure.

Answer: Scarecrow — (1 mark)

(b) Describe how it works.

Answer:

It resembles a human being standing in the garden. The movement of the clothes scares away birds and small animals by making them think a person is present. — (2 marks)

(c) Temporary stitches questions

i) Identify the stitch.

Answer: Tacking stitches / Basting stitches — (1 mark)

ii) Name two variations.

Award 1 mark each (Max: 2 marks).

- Even tacking
- Long and short tacking

(d) Explain two reasons for coexisting with small wild animals.

Award 2 marks per point (Max: 4 marks).

- Preserves biodiversity and ecological balance.
- Some animals attract tourists and support the economy.
- Encourages peaceful coexistence with nature.

7: (10 Marks)

(a) Identify the irrigation method.

Answer: Drip irrigation — (1 mark)

(b) Explain construction using containers.

Award up to 3 marks for correct explanation.

- Collect and clean plastic bottles.
- Pierce small holes in the bottle caps or sides.

- Mount bottles upside down near plant roots to allow slow dripping of water.

(c) Describe two ways it conserves water.

Award 1 mark each (Max: 2 marks).

- Delivers water directly to plant roots.
- Reduces evaporation and surface runoff.

(d) Dietary and cooking methods

i) State one benefit of consuming fruits.

Answer:

Fruits provide vitamins and minerals that protect the body against diseases. — (1 mark)

ii) Complete the differences table.

Award 0.5 marks per correct cell (Max: 3 marks).

Feature	Boiling Method	Shallow Frying Method
Cooking medium used	Water / Liquid	Fat / Oil
Amount of heat/fat	Large amount of water at boiling point	Small amount of oil/fat
Example of suitable food	Potatoes, maize, cassava, eggs	Eggs, fish fillets, pancakes, sausages

8: (10 Marks)

(a) Identify three other examples of PPE.

Award 1 mark each (Max: 3 marks).

- Gloves
- Dust masks
- Gumboots
- Overalls / Aprons
- Headgear

(b) Outline three steps to clean canvas shoes.

Award 1 mark each (Max: 3 marks).

1. Remove excess mud and scrub with soap and water.
2. Rinse thoroughly with clean water.
3. Dry in a well-ventilated area or under the sun.

(c) Balanced meal definitions

i) Explain "balanced meal."

Answer:

A balanced meal contains all essential nutrients from the required food groups in the correct proportions. — (2 marks)

ii) Name the three essential food groups.

Award 2 marks for all three correct answers, 1 mark for any two.

- Energy-giving foods
- Body-building foods
- Protective foods

GRADE 4 AUGUST ACTIVITY ANSWERS

**CHRISTIAN RELIGIOUS EDUCATION (CRE)
ANSWERS & MARKING SCHEME**

Total Marks: 50

SECTION A (20 MARKS)

Question 1: Self-Awareness and God's Creation (5 Marks)

(a)

Human beings are created in the image and likeness of God. — (1 mark)

(b)

Psalms 139:13-14. — (1 mark)

(c)

Any one valid point. **Award 2 marks.**

- Praying to God
- Singing praises to God
- Taking care of the body
- Helping others
- Obeying God's commandments

(d)

Learner writes their full name. — (1 mark)

Question 2: Matching Attributes and Christian Values (5 Marks)

Award 1 mark for each correct answer.

Item Answer

- (i) D - Integrity
- (ii) A - God as a Loving Father
- (iii) B - Truthfulness
- (iv) C - Responsibility
- (v) E - Sole Creator

Question 3: Thoughts, Feelings, and Family (5 Marks)

(a)

Any two valid points. **Award 1 mark each.**

- Forgiving
- Sharing
- Praying
- Helping others
- Speaking calmly

(b)

Christians should not sin when angry or let the sun go down while still angry. — **(1 mark)**

(c)

Honor your father and mother so that your days may be long on earth. — **(2 marks)**

Question 4: Bible Books and Respect for the Holy Bible (5 Marks)

(a)

Any two valid points. **Award 1 mark each.**

- Wrapping the Bible properly
- Keeping it clean
- Holding it respectfully
- Not placing it on the floor

(b)

Bible Book	Testament
Genesis	Old Testament
Luke	New Testament
Acts	New Testament

Award 1 mark each.

SECTION B (30 MARKS)

Question 5: Old Testament Bible Stories (6 Marks)

(a)

Balaam. — (1 mark)

(b)

The donkey saw the Angel of the Lord standing in the road with a drawn sword blocking the path. — (2 marks)

(c)

Samson. — (1 mark)

(d)

His strength came from God / The Spirit of the Lord came powerfully upon him. — (2 marks)

Question 6: Parables and Miracles of Jesus (8 Marks)

(a)

Leprosy. — (1 mark)

(b)

Only one man returned to thank Jesus.

Lesson: Christians should always be thankful to God and to people who help them. — (2 marks)

(c)

The Parable of the Lost Coin. — (1 mark)

(d)

The mustard seed teaches that the Kingdom of God begins small but grows greatly. — (2 marks)

(e)

Jesus showed compassion and God's power over death. — (2 marks)

Question 7: The Early Church and Christian Living (8 Marks)

(a)

Antioch. — (1 mark)

(b)

Any three valid fruits of the Holy Spirit.

Award 1 mark each.

- Love
- Joy
- Peace
- Patience
- Kindness
- Goodness
- Faithfulness
- Gentleness
- Self-control

(c)

Stephen was stoned to death because he preached the Gospel and remained faithful to Jesus. — (2 marks)

(d)

Self-control helps learners avoid bad influence, immoral behavior, drug abuse, and sinful activities. — (2 marks)

Question 8: Morality, Trust, and Social Media Use (8 Marks)

(a)

Any two valid devices. **Award 1 mark each.**

- Smartphone
- Tablet
- Computer
- Laptop

(b)

The learner should refuse to share personal information and avoid communicating with strangers online. — (2 marks)

(c)

Any two valid responses. Award 1 mark each.

- Parents
- Teachers
- Guardians

(d)

The body is called the Temple of the Holy Spirit because God lives in believers through the Holy Spirit. Christians should therefore live holy lives and avoid sinful behavior. — (2 marks)

GRADE 4 AUGUST ACTIVITY ANSWERS

GRADE 4 CREATIVE ARTS ASSESSMENT

ANSWERS & MARKING SCHEME

SECTION A (20 MARKS)

1: (5 Marks)

(a)

Smudging technique / Shading technique — (1 mark)

(b)

Any two:

- Keep a safe distance from fire
- Burn wood under adult supervision
- Ensure charcoal is cooled before handling
- Avoid inhaling smoke — (2 marks)

(c)

Melodic percussion instruments produce different musical notes/pitches, while non-melodic percussion instruments produce rhythm without definite pitch. — (2 marks)

2: (5 Marks)

Award 1 mark each

- (i) C - Chest pass
- (ii) A - Macramé technique
- (iii) B - Montage composition
- (iv) E - Center of interest
- (v) D - Elongated sprint start

3: (5 Marks)

(a)

Ta-te — (1 mark)

(b)

Ascender — (1 mark)

(c)

1. Taa
2. Ta-te — (2 marks)

(d)

Any one:

- Has clear rhythm pattern
- Has repetition
- Has proper note arrangement — (1 mark)

4: (5 Marks)

(a)

Hand Stand — (1 mark)

(b)

Any two:

- Ensure mat is safe and clean
- Remove obstacles from area
- Do warm-up exercises
- Wear suitable clothing — (2 marks)

(c)

To maintain balance, prevent injuries, and support safe landing — (2 marks)

SECTION B (30 MARKS)

5: (6 Marks)

(a)

a-membrane

b- tuning laces— (2 marks)

(b)

It amplifies sound vibrations and produces resonance — (1 mark)

(c)

Smudging technique — (2 marks)

(d)

Non-melodic — (1 mark)

6: (8 Marks)

(a)

Primary colours — (1 mark)

(b)

Orange — (1 mark)

(c)

Add white paint to make the colour lighter — (2 marks)

(d)

Add black paint to make the colour darker — (2 marks)

(e)

Black, Red, Green — (2 marks)

7: (8 Marks)

(a)

Foot joint — (1 mark)

(b)

Any two:

- Clean after use
- Wash with warm soapy water
- Do not share without cleaning — (2 marks)

(c)

B, A, G — (3 marks)

(d)

Ensures proper breathing control, good sound production, and correct posture — (2 marks)

8: (8 Marks)

(a)

Folk song / Ceremonial song — (1 mark)

(b)

Soloist / Lead singer — (1 mark)

Group / Chorus — (1 mark)

(c)

Any two:

- School assembly
- National holidays
- Sports events
- Flag raising ceremonies — (2 marks)

(d)

Importance:

- Stores and organizes artwork for review and learning
- Tracks learner progress

Material (any one):

- Beads
- Banana fibre
- Fabric
- Leaves — (3 marks)

GRADE 4 ENGLISH - ANSWERS

TASK 1

2. Answers in your own words

- a. I celebrate my birthday.
- b. Wedding celebration.
- c. Christmas is celebrated on 25th December.
- d. Yes, I received gifts on Christmas Day.
- e. A wedding celebration is a ceremony where two people get married.

TASK 2

Use the words in the box correctly

1. works
2. tired
3. tractor
4. plough
5. soil

Completed passage:

Odi is a farmer. He **works** on his farm from morning till evening. He is always very **tired** after a day's work. When it is almost time for planting, Odi hires a **tractor** to prepare his field. It pulls a **plough** that cuts and turns the **soil**.

TASK 3

1. Fill in using "because of" or "but"

- a. My sister stays strong **but** she is sick.
- b. His uncle fell sick **because of** being rained on.
- c. The goalkeeper is limping **but** he appears okay.
- d. He was punished **because of** coming late.
- e. It rained heavily **but** I was not late for school.

2. Construct simple sentences

a. home

I went home early.

b. destroy

Fire can destroy houses.

c. strong

The boy is strong.

d. Christmas

We celebrate Christmas every year.

e. Birthday

My birthday is in August.

3. Fill in the blanks correctly

1. is
2. go
3. have
4. shines
5. were

4. Choose the correct answer

6. a
7. than
8. is
9. flowers
10. goes

5. Arrange the words correctly

11. He is going to school.
12. Mary likes reading books.
13. We are happy.
14. My mother is cooking.

15. The dog is barking.

TASK 4

1. community
2. Because they wanted to get clean water.
3. 5
4. 1 day
5. Bat did not want to dig because she was lazy and selfish.
6. 3 times
7. 11 animals
8. Bat gives birth to young ones while other birds lay eggs.
9. selfish
10. No.

GRADE 4 AUGUST ACTIVITY ANSWERS

FRENCH

MARKING SCHEME / ANSWERS

TASK 1: LISTENING AND SPEAKING

Question 1

- a) Marie
- b) Neuf ans
- c) À l'école
- d) Le football
- e) Le chat

Question 2

Possible answers:

Garçon, fille, livre, chien

Bonjour Madame/Monsieur

Je m'appelle... / J'ai neuf ans

TASK 2: COMPREHENSION

- a) Pierre
- b) Nairobi
- c) Trois enfants
- d) Le matin
- e) Dans le jardin
- f) Les mangues et le lait

TASK 3: GRAMMAR

Question 1

- i) Bonjour - C
- ii) Merci - A

iii) Au revoir - B

iv) Oui - D

Question 2

a) suis

b) chat

c) école

d) bonjour

Question 3

a) un

b) trois

c) cinq

d) dix

Question 4

a) Bonjour

b) Merci beaucoup

c) Au revoir

d) Comment t'appelles-tu?

Question 5

- i. pomme
- ii. maison
- iii. voiture
- iv. chat

TASK 4: WRITING

Question 1

Accept correct simple French sentences.

Example:

- Je m'appelle John.
- J'ai neuf ans.
- J'aime le football.
- J'habite à Nairobi.
- J'aime l'école.

Question 2

Possible answers:

- famille
- table
- nourriture
- père
- mère
- enfants

GRADE 4 AUGUST ACTIVITY ANSWERS

ANSWERS

GRADE 4 GERMAN

TASK 1: LISTENING AND SPEAKING (10 MARKS)

A. Listening

1. Anna
2. Ten years old
3. Berlin
4. Brother (or Bruder)
5. Cat

B. Speaking (Sample Answers)

1. Guten Morgen
2. Guten Tag
3. Wie heißt du?
4. Ich heie Anna / Peter / (any correct name)
5. Danke schn

Oral Introduction (Sample)

- Ich heie Peter. Ich bin neun Jahre alt.

TASK 2: COMPREHENSION (10 MARKS)

1. Lukas
2. Hamburg
3. Football (Fuball)
4. Blue (blau)
5. In the park (im Park)

TASK 3: GRAMMAR (20 MARKS)

A. Matching

1. Hund → D (Dog)
2. Schule → A (School)
3. Wasser → C (Water)
4. Mutter → E (Mother)
5. Buch → B (Book)

B. Fill in the blanks

1. Guten **Morgen**
2. Ich **bin** zehn Jahre alt.

3. Mein Name **ist** Sarah.
4. Danke **schön**.
5. Auf **Wiedersehen**.

C. Write the correct German word

1. Cat → **Katze**
2. Father → **Vater**
3. House → **Haus**
4. Friend → **Freund**
5. Apple → **Apfel**

D. Multiple Choice

1. Hallo means: **B. Hello**
2. Danke means: **C. Thank you**
3. Ja means: **A. Yes**
4. Schule means: **B. School**
5. Wasser means: **C. Water**

TASK 4: WRITING (10 MARKS)

A. Five German greetings (Sample Answers)

1. Guten Morgen
2. Guten Tag
3. Guten Abend
4. Hallo
5. Auf Wiedersehen

B. Writing (Sample Paragraph)

Ich heiÙe Peter.

Ich bin neun Jahre alt.

Meine Lieblingsfarbe ist blau.

Mein Lieblingsspiel ist Fußball.

ANSWERS & MARKING SCHEME

ISLAMIC RELIGIOUS EDUCATION (IRE) ASSESSMENT SECTION A: (20 MARKS)

1:

(a) Matching Activity (4 Marks)

1. Al-Falaq — B
2. Al-Kafirun — A
3. Al-Masad — D
4. An-Nasr — C

(4 × 1 mark = 4 marks)

(b) Surah Al-Ikhlās (2 Marks)

Any two:

- Allah is One.
- Allah does not give birth.
- Allah was not born.
- Allah is eternal/self-sufficient.
- Nothing is equal or comparable to Allah.

(Any 2 × 1 mark = 2 marks)

(c) Surah Al-Masad (2 Marks)

The Surah teaches that wealth, pride, and social status cannot save a person who rejects Allah and opposes the truth.

(2 marks)

(d) Identification of Surah (2 Marks)

Surah Al-Fatihah (2 marks)

2:

(a) Matching Allah's Attributes (4 Marks)

1. Ar-Rahim — B

2. Al-Basir — **A**
3. Al-Samiu — **D**
4. Al-Malik — **C**

(4 × 1 mark = 4 marks)

(b) Angels and Their Duties (4 Marks)

1. Kiraman Katibin / Recording Angel
2. Angel Mikail (Mika'il)
3. Angel Jibril (Gabriel)
4. Angel Israfil

(4 × 1 mark = 4 marks)

(c) Character of Prophet Muhammad (S.A.W.) (2 Marks)

Any two:

- Honesty
- Trustworthiness
- Kindness
- Patience
- Respectfulness

(2 × 1 mark = 2 marks)

SECTION B: (30 MARKS)

3:

(a) Sunnah Tool for Oral Hygiene (2 Marks)

Miswak / Siwak

(2 marks)

(b) Good Morals (2 Marks)

Any two:

- Forgiving classmates
- Speaking kindly
- Avoiding revenge
- Showing patience
- Praying for them

(2 × 1 mark = 2 marks)

(c) Etiquette During Meals (3 Marks)

Any three:

- Say Bismillah before eating
- Eat with the right hand
- Eat from the nearest side
- Avoid wasting food
- Thank Allah after eating

(3 × 1 mark = 3 marks)

(d) Sports and Islamic Conduct (3 Marks)

Any three:

- Wear modest clothing
- Observe prayer times
- Avoid abusive language
- Maintain discipline and fairness
- Avoid harmful behavior

(3 × 1 mark = 3 marks)

4:

(a) Najasaat Mughalladha (3 Marks)

(i) Example of heavy impurity (1 Mark)

- Pig/pork products
- Pig saliva

(1 mark)

(ii) Cleaning process (2 Marks)

The impurity should be washed seven times, and one of the washings should include clean soil/earth.

(2 marks)

(b) Nullifiers of Wudhu (3 Marks)

Any three:

- Using the toilet
- Passing gas
- Deep sleep
- Bleeding heavily
- Vomiting

(3 × 1 mark = 3 marks)

(c) Determining Qibla Direction (2 Marks)

Any two:

- Using a compass
- Mobile phone Qibla app
- Mosque direction
- Asking knowledgeable people

(2 × 1 mark = 2 marks)

(d) Tumaninah in Swalah (2 Marks)

A Muslim should pause calmly in every prayer position. Rushing the prayer reduces concentration and may affect the correctness/validity of the Swalah.

(2 marks)

5:

(a) First Revelation (1 Mark)

Ramadhan

(1 mark)

(b) Lessons from Suratul-Alaq (3 Marks)

(i) Teaching about knowledge (1 Mark)

Allah taught human beings knowledge and the use of the pen.

(1 mark)

(ii) Application in school life (2 Marks)

Any two:

- Working hard in studies

- Respecting teachers
- Reading regularly
- Seeking beneficial knowledge
- Avoiding laziness

(2 × 1 mark = 2 marks)

(c) Early Converts to Islam (1 Mark)

- First adult male Muslim — **Abu Bakr (R.A.)**
- First child Muslim — **Ali bin Abi Talib (R.A.)**

($\frac{1}{2}$ mark each = 1 mark)

(d) The People of Taif (2 Marks)

The Prophet (S.A.W.) forgave the people of Taif and prayed for their guidance instead of revenge.
Virtue shown: Mercy/patience/forgiveness.

(2 marks)

(e) Duties of Parents (3 Marks)

Any three:

- Providing food and shelter
- Taking children to school
- Teaching good morals and religion
- Providing medical care
- Protecting children from danger

(3 × 1 mark = 3 marks)

MAJIBU

GREDI YA 4 - KISWAHILI LUGHA

SEHEMU YA KWANZA: KUSIKILIZA NA KUZUNGUMZA

2. Wanyama wanaofugwa nyumbani

- a. Ng'ombe
- b. Mbuzi
- c. Kondoo
- d. Kuku
- e. Paka

3. Vifaa vya nyumbani

- a. Kiti
- b. Meza
- c. Kitanda
- d. Kabati
- e. Kochi

Mazungumzo

1. Asha na Musa.
2. Musa alienda shuleni jana.
3. Kiswahili na Hisabati.
4. Kwaheri.
5. Habari yako? / Habari za nyumbani?

SEHEMU YA PILI: KUSOMA

1. Shangazi yangu anaitwa Chaurembo.
 2. Alifanya kazi hospitalini.
 3. Anatumia ratili kupima bidhaa zake.
 - 4.
- a. Bidhaa nzuri.
 - b. Bidhaa halali.

5. Sema ndiyo ama la

- a. La
- b. La
- c. Ndiyo
- d. Ndiyo
- e. La

SEHEMU YA TATU: SARUFI

1. Kanusha maneno haya

- 6. Haimbi
- 7. Hakuli
- 8. Hatukuenda
- 9. Hawatacheza
- 10. Hamkutuburudisha

2. Tumia viwakilishi sahihi

- 11. Wewe
- 12. Mimi
- 13. Wewe
- 14. Sisi
- 15. Wao

3. Andika wingi wa sentensi hizi

- 16. Vitabu vyangu vimeraruka.
- 17. Mipira inachezwa.
- 18. Watoto wanalia.
- 19. Kufa zimebomoka.
- 20. Kalamu zimevunjika.

4. Andika kwa nambari

- 21.87
- 22.456
- 23.709
- 24.94
- 25.1000

5. Jaza nafasi kwa maneno sahihi

- a. huenda
- b. anapika
- c. wanacheza
- d. linawaka
- e. tulikuwa

6. Tunga sentensi

- a. Nyumbani kwetu kuna bustani nzuri.
- b. Rafiki yangu anaitwa Amina.
- c. Ninaenda shule kila siku.
- d. Mama amepika chakula kitamu.
- e. Mwalimu wetu anatufundisha vizuri.

7. Chagua jibu sahihi

- 1. rafiki
- 2. yule
- 3. kwenye
- 4. gari
- 5. inaruka

8. Pangilia maneno

- a. Juma anaenda shule.
- b. Mama anapika chakula.

- c. Watoto wanacheza mpira.
- d. Mwalimu wetu ni mzuri.
- e. Napenda kusoma vitabu.

9. Andika wingi wa maneno

- a. watoto
- b. vitabu
- c. magari
- d. nyumba
- e. ndege

10. Andika kinyume cha maneno

- a. ndogo
- b. chafu
- c. chini
- d. huzuni
- e. karibu

SEHEMU YA NNE: KIFUNGU

1. Juma ni mwanafunzi wa darasa la nne.
2. Juma huenda shuleni kila siku.
3. Kiswahili na Sayansi.
4. Huwasaidia wazazi wake kufanya kazi za nyumbani.
5. Kwa sababu yeye ni mtoto mwenye bidii.

**MATHEMATICS EXAMINATION
MARKING SCHEME**

1. Tens
2. 432
3. 1m 77cm
4. 43526
5. 225cm^2
6. 8118
7. $5^3/4$
8. 9m
9. 6000
10. 16
11. 8
12. 7.01, 7.02, 7.71, 7.87, 7.91
13. 60724
14. 4580
15. 156
16. 129, 126
17. 2800
18. 240
19. 135
20. 27
21. 15, 18, 21
22. 2331
23. 6.5cm
24. 90 minutes
25. 3913
26. 0.71
27. 18 square units
28. 21 rem 1
29. 2m 4cm
30. 336, 345, 347, 368, 377

GRADE 4 AUGUST ACTIVITY ANSWERS

SCIENCE AND TECHNOLOGY EXAMINATION
MARKING SCHEME

SECTION A: (20 MARKS)

Question 1: Living Things & Their Environment (10 Marks)

(a) Match the characteristics: (4 Marks total; 1 mark each)

1. A sunflower bends slightly... -> **D. Responding to changes**
2. Beans pods dry up, split open... -> **A. Reproduction**
3. A cow breathes out... -> **B. Removal of waste**
4. A maize seedling increases in height... -> **C. Growth**

(b) Vertebrates and Invertebrates:

(i) Presence of a backbone (or internal skeletal spine). (1 Mark)

(ii) Chicken and Goat. (2 Marks; 1 mark each)

(c) Functions of plant parts:

(i) **Roots:** Anchor the plant firmly in the soil OR absorb water and mineral salts from the soil. (1 Mark)

(ii) **Leaves:** Make food for the plant (photosynthesis) OR allow the plant to breathe/transpire. (1 Mark)

(d) **Caring for plants:** Watering them regularly, weeding around them, adding manure, or protecting them from destruction by animals. (1 Mark for any valid point)

Question 2: Properties of Matter (10 Marks)

(a) Match the states of matter: (3 Marks total; 1 mark each)

1. Container X (Wooden block) -> **B. Solid**
2. Container Y (Fresh water) -> **C. Liquid**
3. Container Z (Compressed air) -> **A. Gas**

(b) Properties of matter table: (3 Marks total; 1 mark each)

(1) **Definite** (Solids have a fixed volume)

(2) **Not Definite** (Liquids do not have a fixed shape)

(3) **Not Definite** (Gases do not have a fixed volume)

(c) **Explanation:** The liquid will **change its shape to take the shape of the flat, square plastic container**, but its volume (500 ml) will remain the same. This is because liquids do not have a definite shape. (2 Marks)

(d) **Practical use of gas:** **Oxygen** used in hospitals for patients with breathing difficulties OR **Cooking gas (LPG)** used in households for cooking. (2 Marks)

SECTION B: (30 MARKS)

Question 3: Human Digestive System & Health (10 Marks)

(a) **Identify digestive parts:**

(i) **Gullet** (or Oesophagus). (1 Mark)

(ii) **Large Intestine** (Accept Small Intestine as this is where digestion officially completes, but water absorption happens in the large intestine). (1 Mark)

(b) **Unhealthy digestive system:**

(i) **Stomach ache/pain, bloating, and vomiting.** (2 Marks for any two)

(ii) **Worms** (or intestinal parasites). (1 Mark)

(c) **Dental hygiene steps:** Brushing teeth after meals, visiting a dentist for checkups, avoiding eating too many sugary foods/sweets. (2 Marks for any two)

(d) **Explanation of fiber:** Dietary fiber adds bulk to the food waste, making the stool softer and easier to move through the intestines and push out of the anus, which prevents the stool from becoming hard and dry (constipation). (3 Marks for a complete logical explanation)

Question 4: Environmental Management & Water Conservation (10 Marks)

(a) **Classifying solid waste:**

(i) **Decomposing Waste:** Kitchen food scraps, fruit/vegetable peels, dry leaves, animal waste. (2 Marks for any two)

(ii) **Non-Decomposing Waste:** Plastic bottles, metallic cans, glass bottles, nylon/polythene wrappers. (2 Marks for any two)

(b) **Dangers of plastic/metal waste:** They block drainage systems leading to flooding, they pollute the soil (preventing plant roots from growing), they can injure people or animals (sharp metals), and they create breeding grounds for mosquitoes if they hold stagnant water. (2 Marks for any two)

(c) **The 3Rs Method:**

(i) **Reuse / Reusing** (Using the bottle again for a new purpose). (1 Mark)

(ii) **Reduce / Reducing** (Minimizing the number of new plastics brought home). (1 Mark)

(d) **Reusing water at school:** Water that has been used to wash hands or rinse fruits can be collected and used to **water flowers/trees** in the school compound or to **clean the school toilets**. (2 Marks)

Question 5: Force, Light, and Heat Energy (10 Marks)

(a) **Effects of force:**

- (i) **Force of gravity** (or Gravity). (1 Mark)
- (ii) A force can **stop a moving object** (like a goalkeeper catching a rolling ball). (2 Marks)

(b) **Minimizing friction:** Placing rollers or wheels underneath the heavy crate, smoothening/polishing the rough concrete floor, or applying lubricants (like grease/oil) if applicable. (2 Marks for any two practical methods)

(c) **Light sources:**

(i) **The Sun**. (1 Mark)

(ii) Installing **windows** or using **translucent roofs (skylights)**. (1 Mark)

(d) **Heat Energy:**

(i) **Uses:** Cooking food, warming the house, ironing clothes, boiling drinking water, drying clothes. (2 Marks for any two)

(ii) **Safety precaution:** Wearing protective gear (like oven gloves/mitts) when handling hot pots, turning off gas/electricity immediately after use, or keeping highly flammable items (like paper or fuel) away from open fires. (1 Mark)

MARKING SCHEME / ANSWERS
GRADE 4 SOCIAL STUDIES
SECTION A

1. Compass Directions

- a) West
- b) East
- c) South
- d) Importance of compass directions:
 - They help people locate places.
 - They help travellers find routes.
 - They guide pilots and sailors.
 - They help learners read maps correctly.

2. Matching

Column A	Answer
i) County	C
ii) Sub-county	A
iii) Map	D
iv) Direction	B

3. Physical Features

- a) River / Lake
- b) Importance of forests:
 - Provide rainfall.
 - Source of timber.
 - Home for wild animals.
 - Help prevent soil erosion.
 - Provide medicine and firewood.
- c) Activities near mountains:
 - Farming
 - Tourism

- Mountain climbing
- Grazing animals

d) Importance of physical features:

- They attract tourists.
- They provide water.
- They support farming.
- They provide transport routes.
- They create employment.

4. Weather and Seasons

a) Rainy season

b) Dangers caused by rainy weather:

- Road accidents
- Flooding
- Mudslides
- Slippery roads

c) Activities during dry season:

- Harvesting
- Salt mining
- Sun drying crops
- Building houses

d) Ways road users can stay safe:

- Drive slowly.
- Wear reflective clothes.
- Use safe roads.
- Avoid flooded roads.
- Observe traffic rules.

5. Historic Built Environments

a) Examples:

- Museum
- Fort Jesus
- Traditional shrine
- Monument

b) Importance of museums:

- Preserve culture.
- Teach history.
- Attract tourists.
- Create employment.

c) Activities done to conserve historic sites:

- Cleaning
- Fencing
- Repairing buildings
- Planting trees around sites

d) Why learners should visit cultural centres:

- To learn culture.
- To understand history.
- To promote unity.
- To appreciate traditions.

SECTION B

6. Interdependence of People

a) Meaning of interdependence:

- People relying on one another for goods and services.
- Helping each other to meet needs.

b) Ways people depend on each other:

- i) Buying and selling goods
- ii) Receiving health services
- iii) Farming together
- iv) Teaching and learning

c) Benefits of interdependence:

- i) Promotes unity
- ii) Improves living standards

- iii) Creates employment
- iv) Encourages cooperation

7. Traditional Culture

a) Aspects of traditional culture:

- i) Dressing
- ii) Food
- iii) Songs and dances
- iv) Language

b) Traditional games or sports:

- Wrestling
- Running
- Tug of war
- Rope skipping

c) Importance of traditional culture:

- i) Promotes unity
- ii) Preserves community traditions
- iii) Teaches morals
- iv) Attracts tourists

d) Traditional ceremonies:

- Wedding
- Naming ceremony
- Initiation ceremony
- Harvest ceremony

8. Good Citizenship and Peace

a) Qualities of a good citizen:

- i) Respectful
- ii) Honest
- iii) Responsible
- iv) Cooperative

b) Activities promoting peace:

- Guidance and counselling

- Sports
- Group discussions
- Prayer meetings

c) Ways learners can live peacefully:

- i) Respecting others
- ii) Sharing with others
- iii) Solving conflicts peacefully
- iv) Obeying school rules

d) Importance of peace:

- Encourages learning.
- Promotes unity.
- Reduces conflicts.
- Creates safety.

9. Child Abuse

a) Forms of child abuse:

- i) Physical abuse
- ii) Child labour
- iii) Neglect
- iv) Emotional abuse

b) Causes of child abuse:

- Poverty
- Drug abuse
- Negligence
- Family conflicts

c) Effects of child abuse:

- i) Poor school performance
- ii) Stress and fear
- iii) Injuries
- iv) Low self-esteem

d) Ways learners can promote child rights:

- Reporting abuse.
- Respecting others.
- Helping younger children.

- Speaking against abuse.

10. Democracy and Leadership

a) Democracy:

- A system where people choose leaders through voting.
- Government by the people.

b) Democratic practices in school:

- i) Voting for prefects
- ii) Sharing opinions freely
- iii) Electing class leaders
- iv) Holding meetings

c) Leaders found in the community:

- i) Chief
- ii) Governor
- iii) Village elder
- iv) MCA

d) Duties of the County Governor:

- Managing county resources.
- Providing services.
- Leading county development.
- Supervising county workers.

GRADE 4 AUGUST ACTIVITY ANSWERS