



# THE SPECTRUM EXAMINATIONS HUB

Beginning of term two Assessment- 2025

P.4 Integrated science

Time Allowed: 2hrs and 15 minutes

NAME: \_\_\_\_\_ STREAM \_\_\_\_\_

SCHOOL \_\_\_\_\_

Read the following instructions carefully:

1. This paper has two sections: A and B
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer all questions. All the work for both sections A and B must be shown in the spaces provided.
5. All work must be done using a blue or blackball point pen or ink. Any work done in pencil will NOT be marked except drawings and diagram.
6. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
7. Do not fill anything in the table indicated; "For examiners' use only" and the boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn No.	MARK	EXR'
1 - 5		
6 - 10		
11 - 15		
16 - 20		
21 - 22		
23 - 24		
25 - 26		
27 - 28		
29 - 30		
31- 32		
TOTAL		

**Turnover.**

## SECTION A: 40 MARKS

1- Write down any one natural source of energy.

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2- Which type of clouds resemble cotton-piles in the sky?

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3- Name any one living component of soil.

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4- Why can't an ostrich fly yet it has wings on its body?

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5- Name the organism which protects itself by use of its prickly hair.

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6- How can you protect water sources against contamination?

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7- Give one example of a disease which can be controlled by immunization.

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8- Which body part do you use for smelling?

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9- Why do people plant grass in their compound its?

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10- How is heavy rainfall dangerous to the environment?

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11- Identify one common accident at home.

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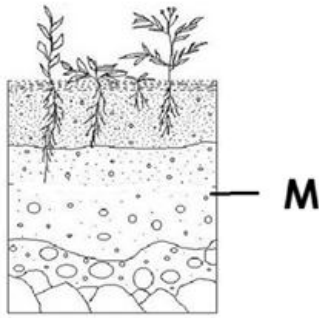
12- Name any one animal kept in an aquarium.

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13- Mention one item used to manage rainy weather.

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14- The diagram below shows soil profile. Name the layer of soil marked **M**.



15- Why is it advisable to brush our teeth every after a meal?

16- How do birds move from one place to another?

17- Name any one fruit-crop commonly found in people's compounds.

18- Write down any one thing plants need to grow well.

19- What are root tubers?

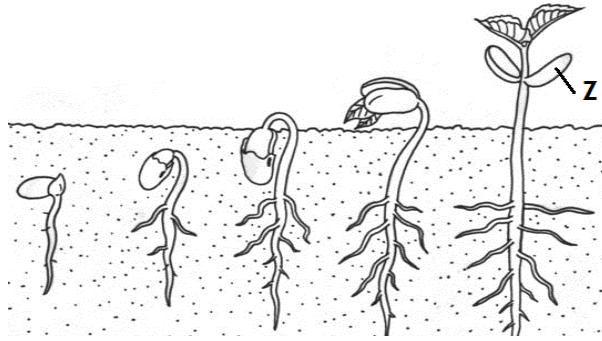
20- Mention any one animal that reproduces by laying eggs.

21- Mention one cause of dehydration in people.

22- What is a balanced diet?

23- Mention one tool farmers use when weeding the garden.

**The diagram below shows a germinating seed. Use it to answer questions 24 and 25.**



24- Name the part labeled **Z** on the diagram above.

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25- What type of germination is shown in the above diagram?

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26- How can a P.4 child keep her/his classroom clean?

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27- Why is it important for people to preserve food?

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28- Give any one example of a leguminous crop.

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29- State any one cause of road accidents.

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30- Why is a grasshopper regarded as an insect?

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31- State the main natural source of light in the environment.

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32- Name the place where houseflies lay their eggs.

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33- Give any one use of plants to people.

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34- Why do people iron their clothes?

---

**Use the diagram below to answer questions 35 and 36.**



35- What Name is given to the object shown above?

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36- What is the importance of the object above?

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37- Which part of a sweet potato-plant do we eat?

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38- Where does fertilization take place in plants?

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39- State one reason why people eat food.

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40- How many legs does a bird have?

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**SECTION B: 60 MARKS**

41- (a) State any two ways of controlling floods.

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(b) Write down two human activities that cause floods.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

42- (a) What is pollination?

(b) Give any two agents of pollination.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(c) Identify any one type of pollination.

\_\_\_\_\_

43- (a) How do people use heat from the sun?

\_\_\_\_\_

(b) Mention any two food stuffs preserved by sun drying.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(c) How is the sun useful in preventing rickets?

\_\_\_\_\_

**44- Study the diagram below and use it to answer the questions that follow.**



(a) What name is given to the equipment shown above?

\_\_\_\_\_

(b) Which component of air is stored in the above equipment?

\_\_\_\_\_

(c) State the importance of the above equipment.

\_\_\_\_\_

(d) What helps the above equipment to be identified easily?

\_\_\_\_\_

45- (a) What is a nursery bed?

\_\_\_\_\_

(b) Name any one plant whose seeds are first planted in a nursery bed.

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(c) Suggest any two activities carried out in a nursery bed.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

46- (a) What are water borne diseases?

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(b) Give any two examples of water borne diseases.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(c) Identify one way of controlling water borne diseases.

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47- (a) What is personal hygiene?

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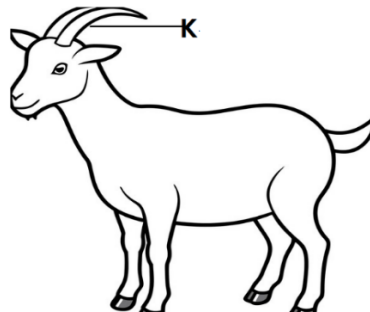
(b) Mention two indicators of poor personal hygiene.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(c) State any one way of promoting personal hygiene.

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**48- The picture below shows an animal. Use it to answer the questions below.**



(a) Identify the animal in the picture.

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(b) Name the type of animals to which the above organism belongs.

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(c) Name the part of the animal marked **K**.

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(c) How helpful is part marked **K** to the above animal?

49- (a) What is soil erosion?

\_\_\_\_\_

(b) What type of erosion is caused by fast flowing water?

\_\_\_\_\_

(c) Give two ways of controlling soil erosion.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

50- (a) Mention two types of root systems.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Identify two plants which store food in their roots.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

51- (a) What is weather?

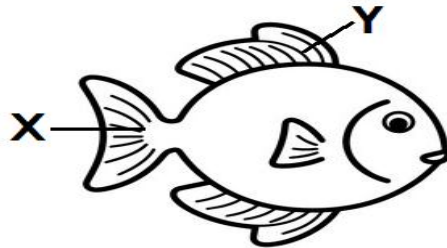
\_\_\_\_\_

(b) Identify the importance of each of the following weather instruments.

(i) barometer \_\_\_\_\_

(iii) rain gauge \_\_\_\_\_

**52- Study the diagram below and answer the questions that follow.**



(a) Name the parts marked **X** and **Y** on the diagram above.

**X** \_\_\_\_\_ **Y** \_\_\_\_\_

(b) How is part **X** useful to the fish above?

\_\_\_\_\_



(c) What food value is got from eating fish?

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

53- (a) What is photosynthesis?

\_\_\_\_\_

(b) Which part of a plant carries out the above process?

\_\_\_\_\_

(c) Give the importance of water during the above process.

\_\_\_\_\_

(d) What name is given to the food made by plants?

54- (a) What is fuel?

\_\_\_\_\_

(b) Give any two examples of fuels.

(i) \_\_\_\_\_ (ii) \_\_\_\_\_

(c) How is fuel important to the environment?

55- **Study the diagram below and answer the questions that follow.**



(a) Name the garden tool above.

\_\_\_\_\_

(b) How important is the above tool to a crop grower.

\_\_\_\_\_

(c) Mention any other garden tool that farmers commonly use when doing their work.

\_\_\_\_\_

(d) Give any one way of caring for garden tools.

\_\_\_\_\_

**END**