



DELTA EXAMINATION SERIES 2025

‘Triumph beyond the sky’

P.7 PLACEMENT SET ONE 2025

INTEGRATED SCIENCE

TIME: 2Hrs 15Mins

EMIS NO.						PERSONAL NO.		

Pupil's name:.....Stream.....

School name:.....District.....

Read the following instructions carefully:

1. This paper is made up of two section: A and B.
2. Section A has 40 questions (40marks)
3. Section B has 15 questions (60marks).
4. Answer ALL questions in both section A and B.
5. All answers must be written in the space provided in blue or black ball point pens and ink. Only diagrams should be done in pencil.
6. Unnecessary crossing of answers will lead to loss of marks.
7. Any handwriting which cannot easily be read may lead to loss of marks.
8. Do not fill any thing in the boxes indicated for examiner's use only.

FOR EXAMINER'S USE ONLY

SECTION A	
SECTION B	
TOTAL	

APPROVED BY:

N. J. ...

HEAD OF SCIENCE DEPARTMENT

SECTION A

(Question 1 to 40 carries 1 mark each)

1. Mention any **one** reason why farmers use fertilizers in their gardens.

.....

2. Peter bought a new torch and it failed to function immediately. State any **one** possible cause of the problem above.

.....

3. Give any **one** effect of polio on the skeletal system of the body.

.....

4. State the type of clouds that resemble cotton piles in the sky.

.....

5. How are monotreme mammals similar to birds in terms of fertilization?

.....

6. What problem will Thomas get after using insecticides to spray flowering beans?

.....

7. What name is given to the house made for rabbits?

.....

8. What causes magnetic repulsion?

.....

9. How is a comb important to a bird apart from identification?

.....

10. Mention **one** importance of physical changes in the environment.

.....

11. Name the part of a tap root which protects the growing tip from mechanical damage.

.....

12. In the diagram below, a plastic comb was rubbed against a woolen cloth and it was brought nearer to small pieces of paper.



13. Why is the plastic comb able to attract the pieces of paper as shown above?

.....

14. Why does smoke go up when firewood is burning?

.....

15. Give one reason why should drugs be prescribed by health workers before they are used by sick people.

.....

16. What feature enables a housefly to spread diseases?

.....

17. Give any one characteristic of flowers which attract moths to visit them at night.

.....

18. Give any one property of air in the diagram below.



.....

19 Which body sense is used by Elijah to know whether Betty has dressed perfume?

.....

20. Why is photosynthesis important to animals?

.....

.....

21. What process makes dew to disappear during hot days?

.....

.....

22. What group of birds are vultures, kites and crows?

.....

.....

23. Why does an insect die when its abdomen is placed in oil for some time?

.....

.....

24. Give any one special characteristic of the air we breathe out.

.....

.....

25. Name the part of an insect used for balancing during flight.

.....
.....
26. Give only **one** example of people with special needs in our community.

.....
.....
27. Mention any **one** reason why people in our community preserve food.

.....
.....
28. Name any **one** vertebrate which has a shell.

.....
.....
29. State **one** reason why honey cannot get contaminated unlike other food.

.....
.....
30. Mention any **one** similarity between frogs and the ducks.

31. Give **one** reason why permanent magnets are not used in electric bells.

.....
.....
32. Which part of the human body is affected by Otagia?

.....
.....
33. State any **one** problem got by farmers who keep native breed of goats.

.....
.....
34.Which tough membrane protects the birds' eyes against strong blowing wind?

.....
.....
Use the diagram of a plant below to answer the questions that follow.



35.State any **one** adaptation of the plant above to climb other plants.

.....
.....
36.What do you understand by **a pitch of a screw**?

.....
.....
37.How are reptiles economically important to leather industries?

.....
.....
38.What name is given to the thin layer which lies inside the eyelid?

.....
.....
39.State any **one** non-metallic conductor of electricity found in a dry cell

.....
.....
40.Give any **one** cause of milk hold up in dairy cattle.

.....

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SECTION B

(Each question in this section carries 4 marks)

41a).What is food insecurity?

.....

.....

(b) State any **two** causes of food insecurity in our community

(i).....

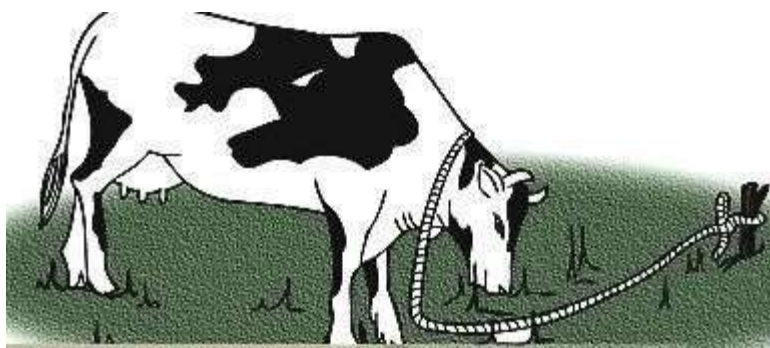
(ii)

(c) Give any **one** possible solution to the cause of food insecurity stated above.

.....

.....

42. The diagram below shows a method of grazing cattle. Use it to answer the questions that follow.



a) Identify the method of grazing cattle shown above

.....

.....

b) State any one advantage of the above method of grazing cattle.

.....

.....

c) How does paddock grazing help to control tick borne diseases?

.....
.....

d) State one way in which colostrum is important to a newly borne calf.

.....
.....

43a) Give any **one** sign of a sick animal.

.....

b) State any **one** condition that may lead a farm animal to acquire diseases

.....

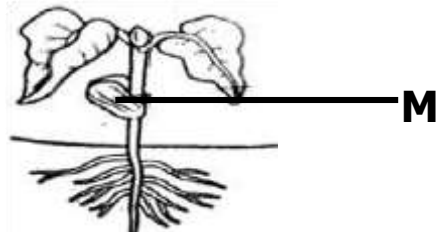
c) Write **one** way how diseases are spread from one animal to another

.....

d) Mention **one** way of preventing cattle diseases without using drugs.

.....

44) Below is a diagram showing stages of development in seedling. Use it to answer question.



a) Name the type of germination in which part M come out of the ground.

.....

b) How is part marked with letter M important to the bean seed?

.....

c) State any **one** condition that can favour a change of a seed in to seedling.

.....
d) Give **one** condition that can fail a change of a seed in to seedling to occur.

.....
45a) Name the waste material excreted by the liver.

.....
(b) State the role of melanin pigment in the human skin.

.....
c) State two disorders of the human skin.

i).....

ii).....

46)Match important body minerals with their functions.

Calcium	Formation of thyroid hormones
Iodine	Formation of hemoglobin
Magnesium	Formation of bones and teeth
Iron	Supports immune system

Calcium.....

Iodine.....

Magnesium.....

Iron.....

47a) Give two advantages of modern beehive.

.....
.....
b) Write down two things a **bee-keeper** should consider before setting up **beehives**.

.....
.....
48a) Name two bones that form a **joint** at the knee of the human body.

.....
.....
b) What name is given to the **joint** at the knee?

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.....
c) How is **friction** reduced at the joint?

.....
.....
49(a) What is Basic Health Care?

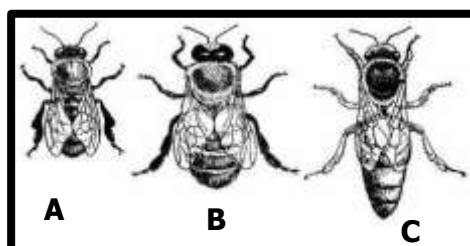
.....
(b) Give any **two** elements of Primary Health Care

(i).....

(ii).....

(c) State any **one** way how the Community can participate in promoting P.H.C.

.....
50. Below, are different types of honey bees. Use them to answer the questions that follow.



a) Which of the above bees lays eggs in the hive?

.....

b) Write any **two** duties of a worker bee in a hive.

i).....

ii).....

c) What food value do we obtain from eating honey?

.....

51a) Write **two** uses of magnets.

i).....

ii).....

b) State the property of a magnet which enables a pilot to find direction.

.....

c) In the space provided below, draw an illustration of magnets to show that "**unlike poles attract**"



52. The diagram below shows a skull of a certain mammal. Use it to answer the questions that follow.



a) To which sub class of mammals do animals with such a skull belong?

.....

b) What kind of food do such mammals feed on?

.....

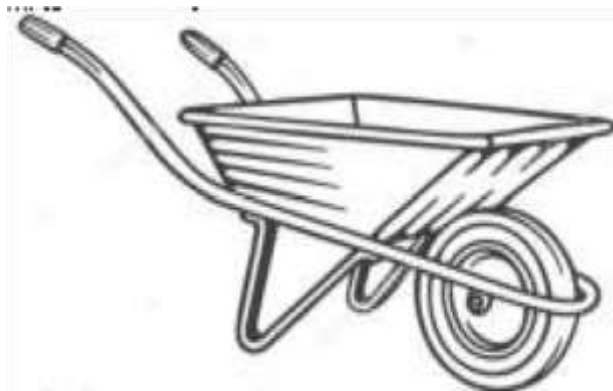
c) How is an animal with such a skull adapted to its mode of feeding?

.....

d) Give **one** example of an animal with such a skull.

.....

53. Use the diagram below to answer the question that follows.



(a) Name the farm tool above

.....

b) Of what use is the farm tool above

.....

c) State **one** crop growing practice which requires all the farm tools above.

.....

d) Why is the above crop growing practice done in the evening?

.....

54a) Name any two ways of **storing sound**.

i).....

ii).....

b) Name any two instruments used to reproduce sound stored by **solfa notation**.

i).....

ii).....

55a) Write down two causes of **soil erosion**.

i).....

ii).....

b) Which agent of soil erosion causes **gullies**?

.....

c) How does soil erosion lead to **soil infertility**?

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END