



VICTORY STEP EDUCATION SERVICES

PRIMARY SEVEN SILVER SET THREE

2024

INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random No.						Personal No.		

Candidate's Name:

Candidate's Signature:

School Name:

District ID:

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Read the following instructions carefully:

1. Do not forget to write your **school** or **district ID** on the paper.
2. This paper has two sections: **A** and **B**. Section **A** has **40** questions and section **B** has **15** questions. The paper has **16** printed pages.
3. Answer **all** questions. **All** working for both sections **A** and **B** must be shown in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
6. Do not fill anything in the table indicated: **"For Examiners' use only"** and boxes inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
TOTAL		

TEL: 0789024356 /0708758922 Victory Step Education Services - Kampala

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. How is a smoker important to a honey harvester?

2. What is the role of a magnet in a six's thermometer?

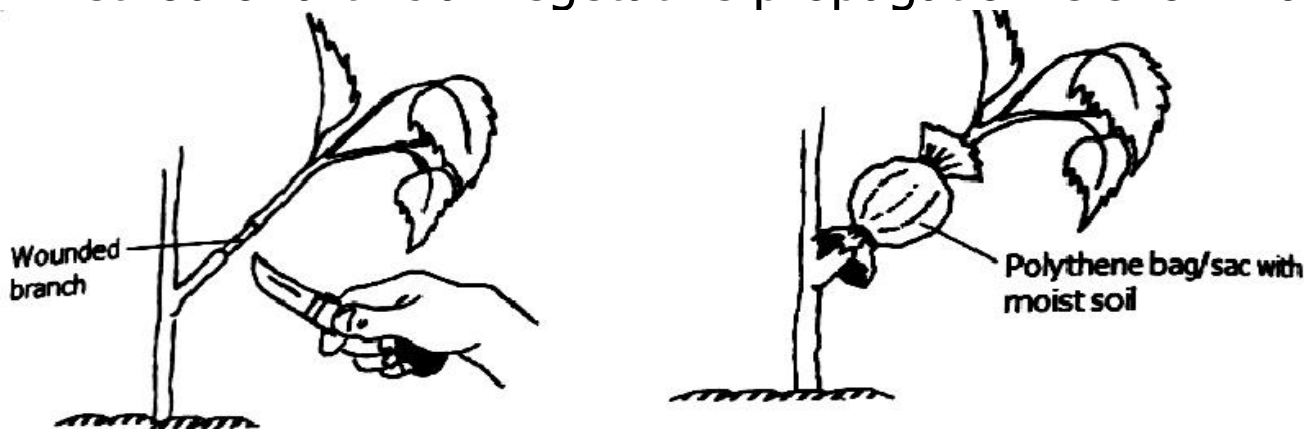
3. Give any one disorder of the female reproductive system.

4. What name is given to the liquid that has been condensed from vapour during distillation?

5. Which type of soil is sticky when wet?

6. Write down one quality of a good cattle house.

7. Which method of artificial vegetative propagation is shown below?



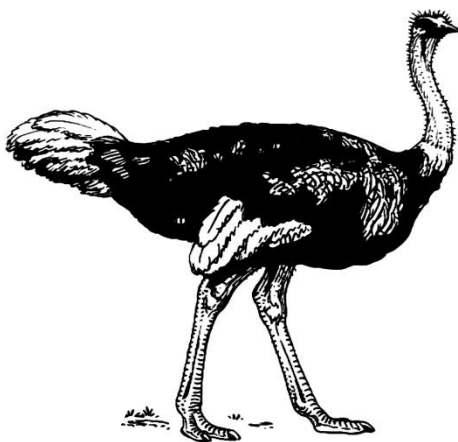
8. Why does a farmer tie moist fertile soil around the wounded part of the branch?

9. Give one reason why cover crops are included in the rotation.

10. Mention any one example of a stem tuber.

11. Give one place where moulds are found.

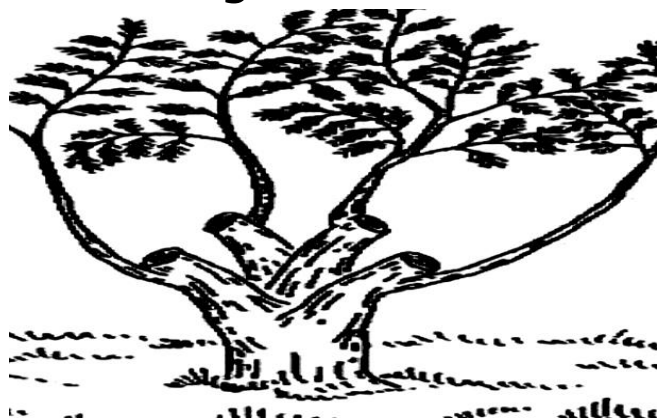
12. To which group of birds does the bird drawn below belong?



13. Apart from the above bird, mention any other bird that belong to the same group mentioned above.

14. To which group of musical instruments does a tube fiddle belong?

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15. Give one proper way of storing essential drugs.
.....
16. Give any one effect of anaemia to the body.
.....
17. Mention any one type of change in the environment.
.....
18. How are joints adapted to free friction movement?
.....
19. State any one disadvantage of using a wet cell.
.....
20. How are first class levers of an advantage when one is using them?
.....
21. Name the fungi used in fermentation of alcohol.
.....
22. How does oiling prevent a metal from rusting?
.....
23. Give the meaning of the word "**shearing**" as used in sheep rearing.
.....
.....
24. Mention one disadvantage of free range system of grazing goats.
.....
25. Give one disorder of the human skin.
.....
26. Why is the moon regarded as a non – luminous object?
.....
27. Which method of harvesting trees is shown in the diagram below?



-
28. How is a litter important in a poultry house?
.....
29. Which part of a plant absorbs nutrients from the soil?
.....
30. Write down one factor that affects the rate of transpiration.
.....
31. Mention one life skill of avoiding social and health problem among the youth.
.....
32. Give one way a P.7 child can promote health education in a community.
.....

33. Why is it important to collect information about immunization in the community?

34. Mention one example of raw milk product in the dairy industry.

35. How are young farmers clubs important in a school?

36. Mention any one fungal sexually transmitted disease in females.

37. Give one reason why a VIP latrine has no lid .

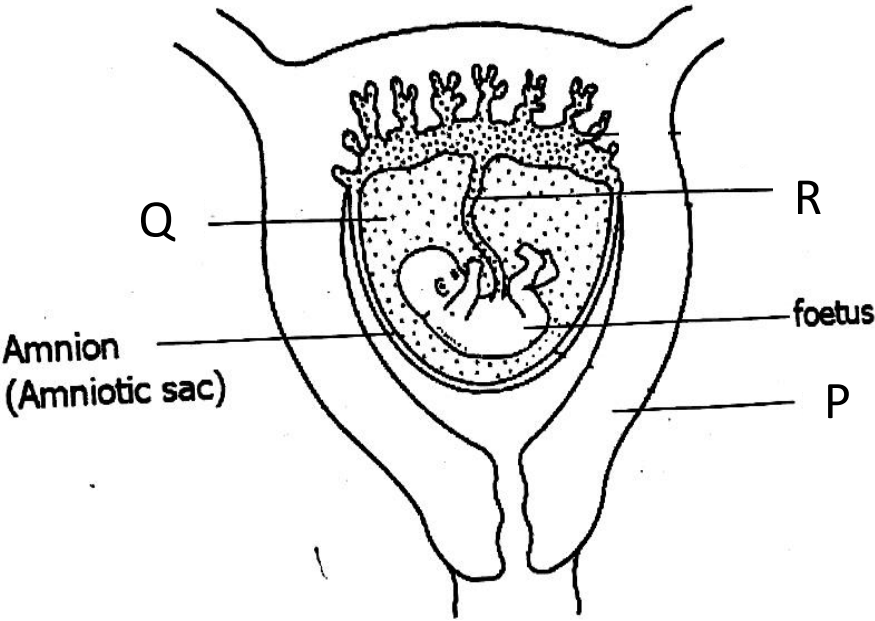
38. Which mineral deficiency disease leads to swelling of the neck?

39. Why does a first aid giver loosen the tight clothes of a victim with fever?

40. Mention one factor considered when sorting clothes for washing.

SECTION B(60MARKS).

41. Study the diagram below and use it to answer the questions that follow.



a) Name part marked :

R

P

b) How is fluid marked Q important to the foetus?

c) Using letter S label the part on the diagram that prevents mother's blood from mixing with that of the foetus.

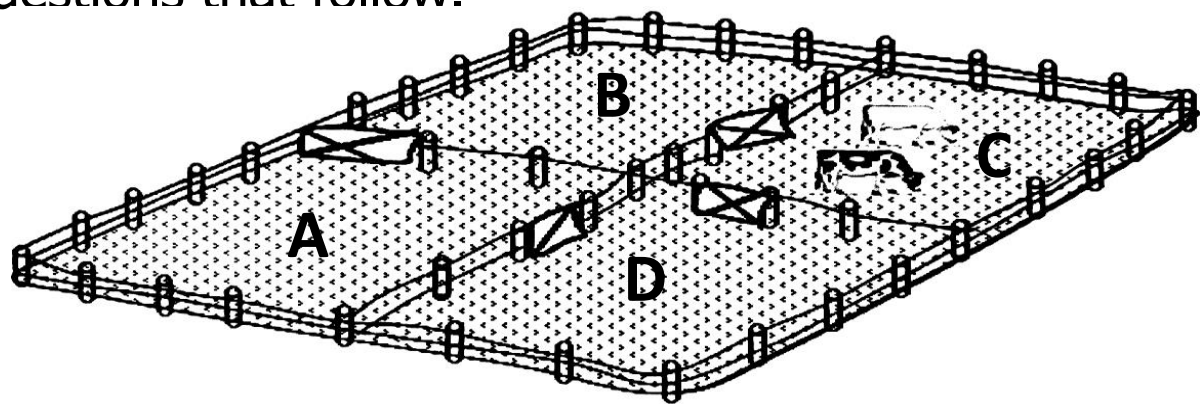
42a) On which type of food does a grub feed on?

b) Why does a drone bee die soon after the maiden flight?

c) Name the type of a bee that makes a buzzing sound.

d) Give the difference between a swarm and swarming

43. The diagram below shows a cattle grazing system . Study and use it to answer the questions that follow.



- a) Name the cattle grazing system shown above.
.....
- b) What name is given to small units marked **A,B,C,D** in the above system?
.....
- c) Apart from even distribution of manure, mention any two other advantages of the above system of grazing cattle.
 - i)
 - ii)

44. The table below shows results P.4 children got after covering dishes of rice to test food preservation.

Dry rice in Refridgerator	Dry on window sill	Soaked rice in refrigerator	Soaked rice on window sill	Boiled rice on window sill
Never grew Mould	Never grew mould	Grew mould in 10 days	Grew mould in 2days	Grew mould in 5 days

- a) What conditions are needed to preserve rice?
.....
 - b) What effect does water have on the preservation of rice?
.....
 - c) Why is boiled rice preserved longer than soaked rice?
.....
 - d) What effect does temperature have on preserving wet rice?
.....
- 45a) How does smoking of tobacco affect the blood?
.....
- b) Mention any one effect of smoking to a family.
.....
 - c) Mention any two things a teenager can do to avoid the habit of taking Marijuana.
 - i)
 - ii)
- 46a) To which group/class of levers does a nut cracker belong?
.....

.....

b) Mukasa and Opio sat on a see – saw .Mukasa who weighs 80kgf sat 4.5metres away from the pivot on one side of the see – saw. Opio sat 8 metres away from the pivot on the other side . Find the weight of Opio.

47. Match the names of the types of plant with their characteristics.

Mosses	formed from algea and fungus
Ferns	reproduce through spores in capsules
Conifers	Reproduce Through Spores On The Back Of Their Leaves
Lichens	Produce Seeds But Not Flowers

- a) Mosses
- b) Ferns
- c) Conifers
- d) Lichens

48a) Give the meaning of respiration

.....

.....

b) Why do lungs expand during inhalation?

.....

c) Give the reason for the flattening of the diaphragm during inhalation.

.....

d) Mention one way of caring for the respiratory system.

.....

49a) Mention one disadvantage of treating water using chemicals.

.....

b) Give one method of preparing water for washing clothes.

.....

c) Why is filtered water not safe for drinking?

.....

d) Mention any one example of a water borne disease.

.....

50a) Which immunisable disease leads to severe coughing which results in whoops?

b) Which type of germ causes the above disease?

.....

c) How can one prevent the diseases mentioned in 50(a) above?

i)

ii)

51a) Mention any one component of undigested materials(faeces)

.....

b) Name one enzyme found in the pancreatic juice.

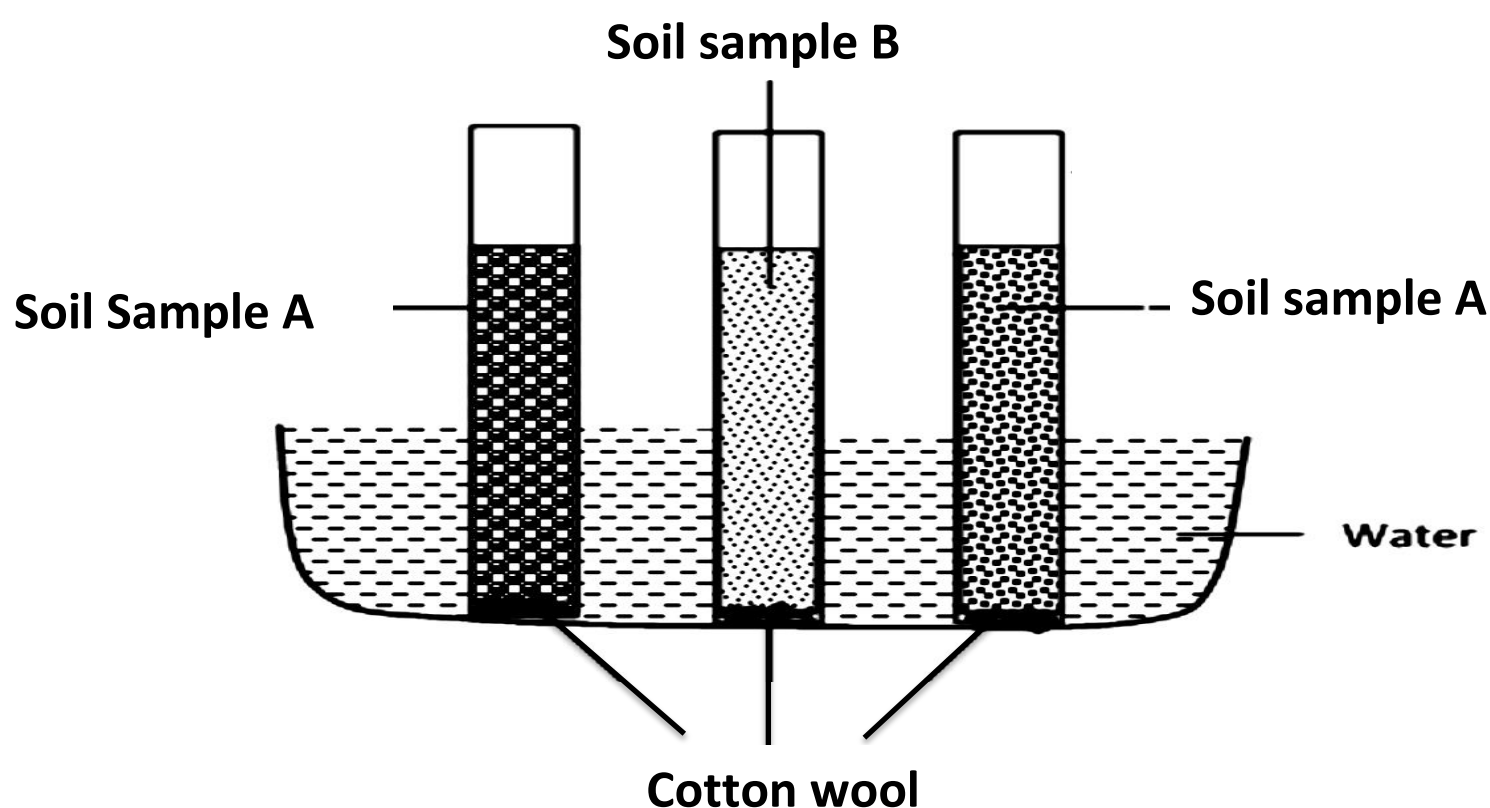
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c) Which process takes place in the following parts of the alimentary canal

i) Large intestines

ii) Ileum

52. Study the experiment below which was carried out by children of Butanda Primary school and use it to answer questions about soil that follow.



a) What is the experiment about?

.....

b) Which type of soil has the highest capillarity according to the above experiment?

.....

c) Which type of soil had the lowest capillarity according to the above experiment?

.....

d) Give a reason to support your answer in 52(c) above.

.....

53a) Name the liquid metal used in a clinical thermometer .

.....

b) Why do health workers shake the clinical thermometer before using it to another patient?

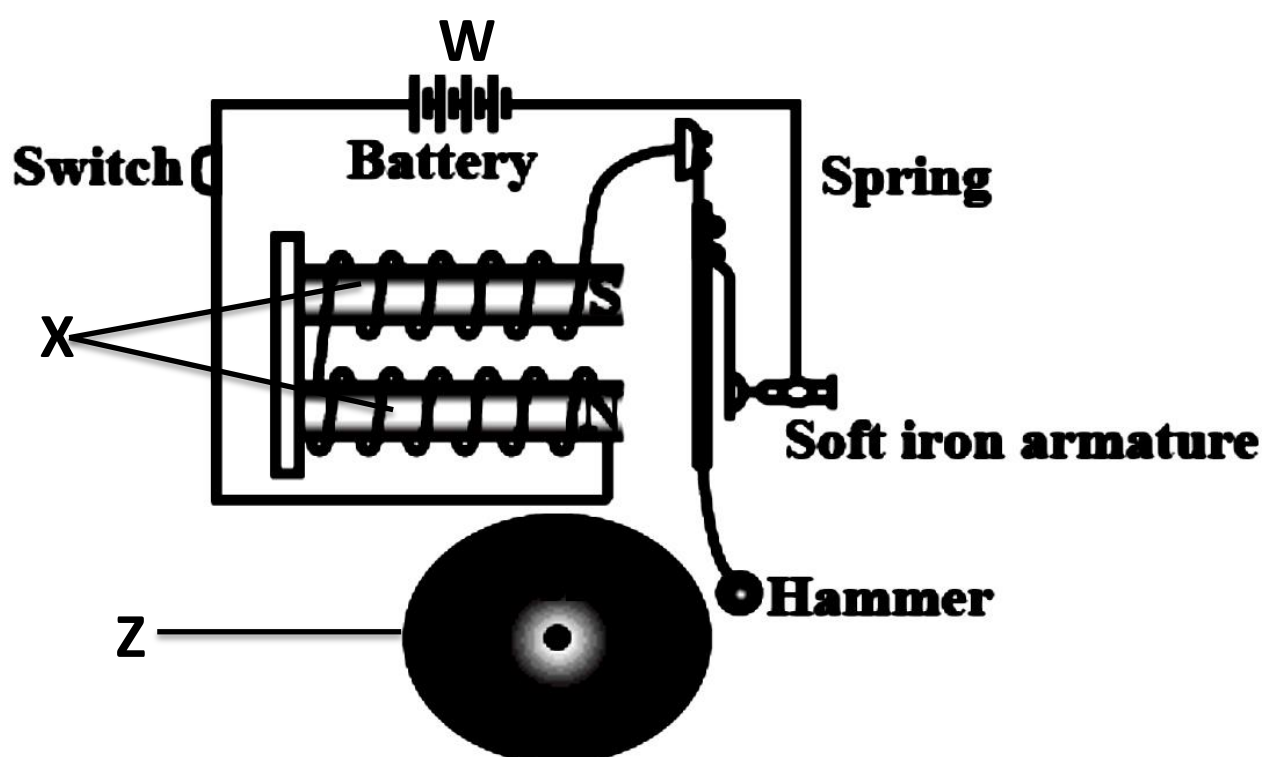
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c) Mention any two characteristics of a clinical thermometer.

i)

ii)

54. The diagram below shows an electric bell and use it to answer the questions that follow.



a) Which form of energy is produced by part marked Z?

.....

b) Name magnet marked X.

.....

c) What is the role of the hammer to the above machine?

.....

d) What energy change takes place at W when the switch is closed?

.....

55a) Give the meaning of the word pruning.

.....

.....

b) Give two advantages of pruning.

i)

ii)

c) How does pruning help to reduce the spread of diseases among crops in the garden?

.....