

NEXUS EDUCATION SERVICES

PRE-MOCK EXAMINATION SET II 2025

PRIMARY SEVEN

SCIENCE

Time Allowed: 2 hour: 15 Minutes

Index No.

EMIS No						Personal No		

Candidate's Name: _____

Candidate's Signature: _____

Read the following instructions carefully:

1. The 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 answers to both sections **A** and **B** must be written in the spaces provided.
5. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary crossing of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do **not** fill anything in the boxes indicated;

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

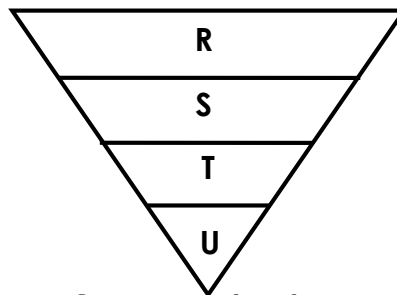
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Please Turn Over

SECTION A: 40 MARKS

1. Name one element of weather that increases humidity.
.....
2. State the danger of putting poisonous substances in food containers near children's reach.
.....
3. How do ticks cause anaemia in cattle?
.....
.....
4. Give any one way in which the spread of whooping cough can be prevented in children.
.....
.....

Use the diagram below to answer question 5 and 6.



5. Name the component of air marked **S**.
.....
6. State the use of component of air marked **U**.
.....
7. A group of choir members were singing during a church service, how did church members get sound from the choir members.
.....
8. How is condensation important in the environment?
.....
9. Why are mangoes grouped under perennial crops?
.....
10. Which unhealthy practice causes lung cancer?
.....

11. Mention the advantage of switching off car engines after use.

.....
The diagram below shows a part of a passion fruit plant. Use it to answer questions 12 and 13.



12. Name the structure marked **X**.

13. How does a passion fruit benefit from the structure marked **X**?

14. How does poor arrangement of dry cells affect a circuit?

15. Why can't solids flow?

16. Name any one way of promoting flexibility in joints.

17. In which one way can the pit holes of a latrine be kept dry?

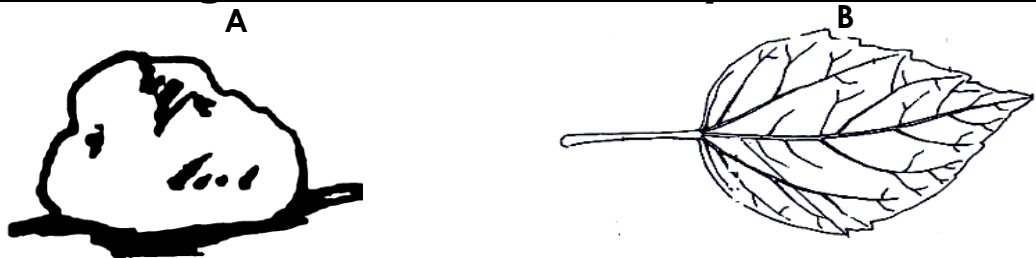
18. Give any one way in which fungi affect food.

19. Which principle of P.H.C reduces the treatment cost?

20. Name the type of parasites controlled by spraying using acaricides in goats.

.....

Use the diagram below to answer questions 21 and 22.



21. What method can be used by a P.5 pupil to find the volume of object marked A

.....

22. State the behaviour of object marked B in water.

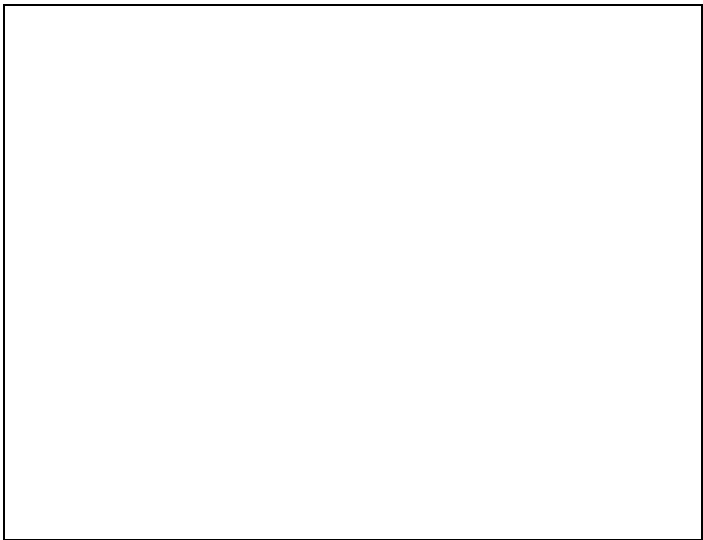
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23. How is steaming different from smoking in reference to food handling?

.....

.....

24. In the space provided below, draw a single moveable pulley.



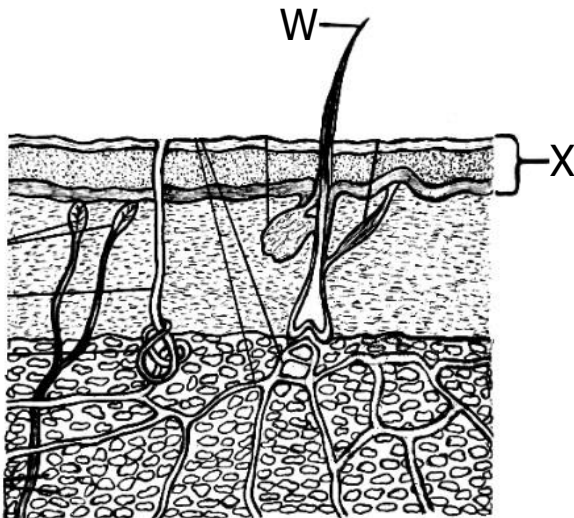
25. How do bees aid reproduction in flowering plants?

.....

.....

26. Name the vector that spreads sleeping sickness to people.
.....
27. State any one common cause of sickness at home.
.....
28. Mention any one other characteristic of legumes apart from having root nodules.
.....
29. How is administration of polio vaccine different from that of BCG vaccine?
.....
.....
30. In which one way do animals depend on other animals?
.....
31. By what process does heat travel in smoke?
.....
32. What happens to pollen when it lands on the stigma?
.....
33. How can six's thermometer be reset?
.....
.....

Study the diagram of the human skin and use it to answer question 34-36.



34. Name the layer of the skin marked **X**.
.....

35. State the function of part marked W to the human body.
.....
36. How does the skin regulate the human body temperature on cold days?
.....
.....
37. Name any one cause of poisoning at home.
.....
38. How is the epididymis important to the male reproductive system?
.....
39. What do we call the process of turning sugar into juice to form alcohol?
.....
40. How does heat gain affect ice cubes?
.....

SECTION B: 60 MARKS

41. a) Define the term respiration.
.....
.....
- b) Where does respiration take place in the human body?
.....
- c) How is respiration useful to the human body?
.....
.....
- d) To what type of change is respiration?
.....
42. a) How is oxygen prevented from entering the biogas digester?
.....
.....
- b) Why is a biogas digester normally buried in the ground?
.....
.....

c) State two advantages of using biogas in the environment.

i)

ii)

43. Opio has the following items used in promotion of personal hygiene.

Razorblade	Towel	Water	Basin	Comb
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a) How is a razorblade an important item?

.....

b) Which item used during bathing is missing in the above list?

.....

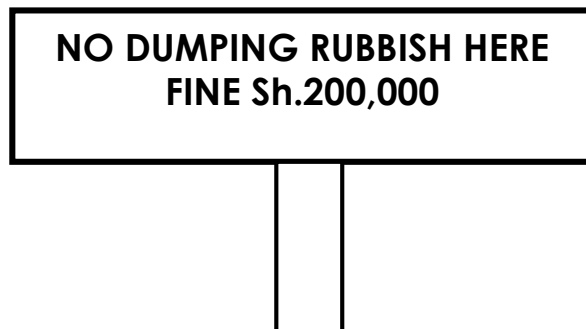
c) In which one other way can Opio promote personal hygiene besides bathing?

.....

d) Name one disease one is likely to get due to poor personal hygiene.

.....

44. **Use the diagram below to answer questions that follow.**



a) State the importance of the above poster in a community.

.....

b) Write down any two diseases prevented by having the above message in our community.

i)

ii)

c) Why is it that some people continuously litter some places even in the presence of such posters?

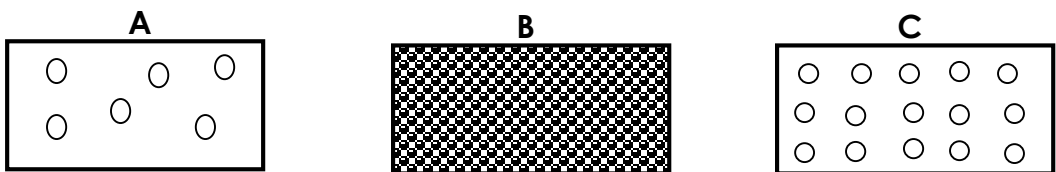
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45. A headteacher of Morikatipe Primary School wanted to find out some candidates who had developed some anti-social behaviours.
- Name two methods the headteacher would employ in order to find out those candidates.
 -
 -
 - Write down any two ways the head teacher would use to curb the identified anti-social behaviour.
 -
 -

46. a) What term refers to the rearing of fish?
.....
- b) How do fish help in prevention of Kwashiorkor?
.....
- c) State any one fish parasite.
.....
- d) Name any one way of caring for fish.
.....

47. **Use the diagram below to answer questions that follow.**



- Name the state of matter marked A.
.....
- How does heat travel through the state of matter marked B.
.....
.....
- Why is heat called non matter?
.....
.....

d) How does heat gain affect the state of marked C?

.....
.....

48. Use the list of organisms below to answer questions.



a) Name the feeding relationship shown above.

.....

b) What would happen to Rabbits in case of increased number of wolves.

.....

c) How are bacteria important in the above feeding relationship?

.....

.....

d) What component of a food chain is a wolf?

.....

49. a) State any one difference between a bean plant and a millet plant in terms of;

i) Venation:

.....

ii) Germination:

.....

b) How does growing of beans help to promote soil fertility?

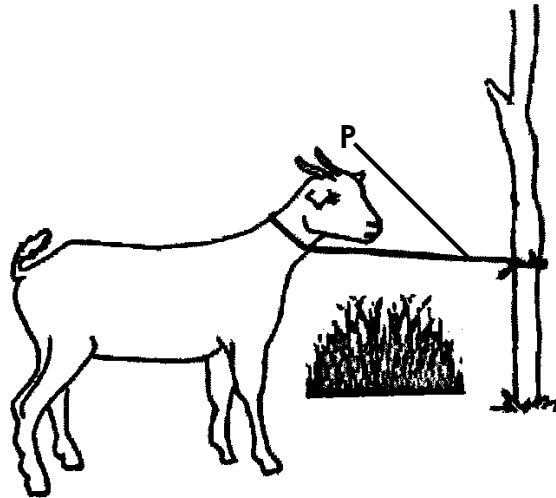
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.....

c) State one way how a farmer can care for his/her bean plants in the garden.

.....

50. **Use the diagram below to answer questions that follow.**



a) Identify any one local material that can be used to make part marked **P**.

.....

b) Name the method of grazing goats shown in the above diagram.

.....

c) State any one advantage of using the above method of grazing goats.

.....

d) How does use of the above method affect the leather industry?

.....

.....

51. **Below shows the steps followed when cleaning clothes and their importance. Use them to complete the matching.**

<u>Step</u>	<u>Importance</u>
Soaking	speeds up drying
Rinsing	removes lather from clothes
Wringing	softens dirt
Sorting	prevents staining of clothes

Complete the matching correctly

Importance

Step

Speeds up drying

.....

Removes lather from clothes

.....

Softens dirt

.....

Prevents staining of clothes

.....

52. a) What method of soil formation involves the action of bacteria?

.....

b) How does leaching reduce soil fertility?

.....

.....

c) State any two ways a farmer can improve soil fertility.

i)

ii)

53. Study the animals given in the table below and answer the questions that follow.

S	P	A
Bush baby	Nile perch	Snakes
Goat	Silver cyprinids	Chameleon
Bats	Tilapia	Crocodiles

a) Give any one characteristic common to all animals in S, P and A.

.....

b) To which group of vertebrates do animals in A belong?

.....

c) What fertilization do animals in P undergo?

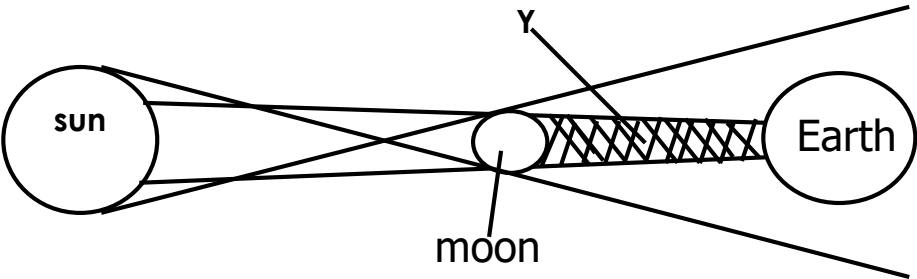
.....

d) State the difference between animals in S and P in terms of breathing.

.....

.....

54. **Below shows a type of eclipse. Use it to answer questions that follow.**



a) Name the type of eclipse shown in the above diagram.

b) What part of an eclipse is with letter Y in the above diagram?

c) Name one example of a translucent object.

d) State one effect of translucent objects on light.

55. a) State any two human activities that can help to conserve the environment.

i)

ii)

b) How is it friendly to environment to at least walk short distances than during vehicles?

c) Identify one natural hazard that can lead to environmental degradation.