

**PRE-PLE EXAMINATION 2024 SET III**

**P.7 INTEGRATED SCIENCE**

***Time allowed: 2 Hours 15 Minutes***

TARGET MARK

Index No.

RANDOM NO.						PERSONAL NO.		

**CANDIDATE'S NAME:** .....

**CANDIDATE'S SIGNATURE:**.....

**SECTION A: 40 MARKS**

1. Which type of skeleton is found in the bodies of all vertebrates?

.....

2. Why do some farmers prefer rearing local breeds to exotic breeds of goats?

.....

.....

3. Name the structures ticks use for breathing.

.....

4. How can farmers ensure continuous growing of crops in the dry season?

.....

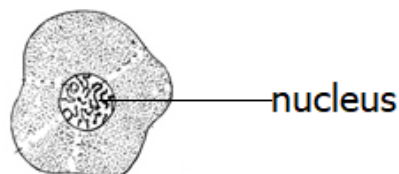
5. In which way are animals replaced naturally in the environment?

.....

6. Which body organ is used for tasting food?

.....

**Study the diagram of the blood component below and use it to answer questions 7 and 8.**



7. Name the blood component above.

.....

8. Give any one way the blood component above carries out its function in the body.

.....

9. State one role of a mother in a nuclear family.

.....

10. Mention any one disease that can be controlled without using drugs.

.....

11. Give any one practice that can be done to conserve plants.

.....

12. Why is it a bad practice to throw polythene bags in the garden?

.....

13. How can pellagra be controlled among infants?

.....

14. Name the non metallic conductor of electricity found in a dry cell.

.....

15. How can a primary seven girl prevent herself from teenage pregnancy?

.....

16. Name the deficiency disease that affects the circulatory system.

.....

17. Which part of the eye regulates the amount of light that enters it?

.....

18. Write any one form of energy produced during a short circuit.

.....

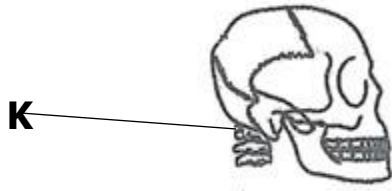
19. In which way can the pitch of sound produced by a stringed musical instrument be lowered?

.....

20. Name any one by-product of respiration.

.....

21. **Name the type of joint found at K.**



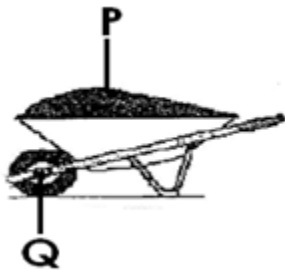
.....

22. How is a rake useful to a farmer during land preparation?

.....

23. Calculate the density of an object of mass 30g and occupying a space of  $10\text{cm}^3$ .

24. **To which class of levers does the machine below belong?**



.....

25. Besides causing evaporation of water from water bodies, how else is the sun useful in the water cycle?

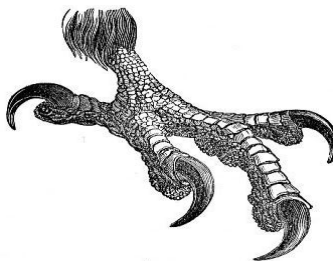
.....

26. What advice would you give to a pregnant mother to protect her unborn baby against tetanus?

.....

27. Why should a good first aider be quick?

- .....
28. State any one way of maintaining the proper functioning of the urinary system.
- .....
29. Write down any one proper method of harvesting trees.
- .....
30. State the importance of the ossicles in the ear.
- .....
31. In which way are scavenger mammals useful in the environment?
- .....
32. Name the waste product removed by the liver from blood.
- .....
33. Besides producing nectar, mention any other way insect pollinated flowers attract insects for pollination.
- .....
34. Write down any one piece of information collected during a health survey.
- .....
35. Give any one way plants depend on animals in the environment.
- .....
36. **Which group of birds have the type of foot drawn below?**



- .....
37. State any one way the spread of conjunctivitis can be controlled at school.
- .....

38. Besides protection of the heart, give any other way the skeletal system benefits the circulatory system.

39. Mention any one family planning method that also controls the spread of STDs.

40. Write PIASCY in full.

### **SECTION B: 60 MARKS**

41. a) Where in the human reproductive system do the following processes occur?

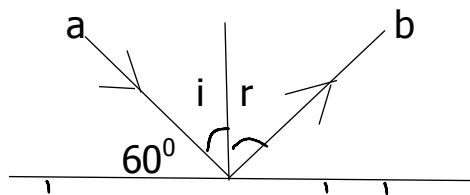
i) fertilization .....

ii) ovulation.....

iii) Implantation.....

b) State any one way of caring for the reproductive organs.

**42. Study the diagram below on reflection of light and use it to answer the questions that follow.**



a) Name the type of reflection shown above.

b) Name the ray marked a.

d) Calculate the value of angle r. (2 marks)

43. a) What are antisocial behaviours?

.....

.....

b) Give any one example of antisocial behaviour.

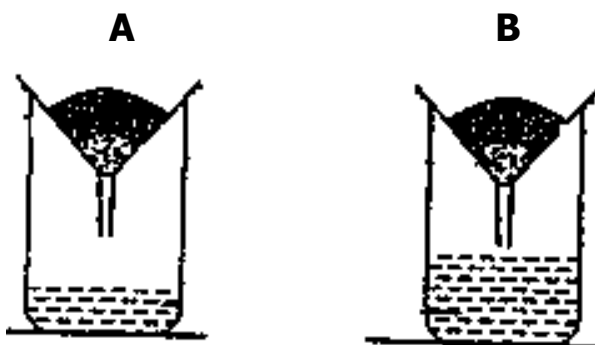
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c) Write down any two ways you can prevent antisocial behaviours.

i) .....

ii) .....

**44. The diagrams below show an experiment carried out on soil. Equal amount of water was poured on the soil samples. The water that passed through the soil samples was collected as shown. Use it to answer the questions that follow.**



a) What was the experiment about?

.....

b) If the soil sample were from sand and clay, from which type of soil was soil sample B collected?

.....

c) Give a reason for your answer in b above?

.....

d) Mention any one product made from soil sample **A**.

.....

45. a) What is personal hygiene?

.....

b) Mention any **two** items used to keep the body clean.

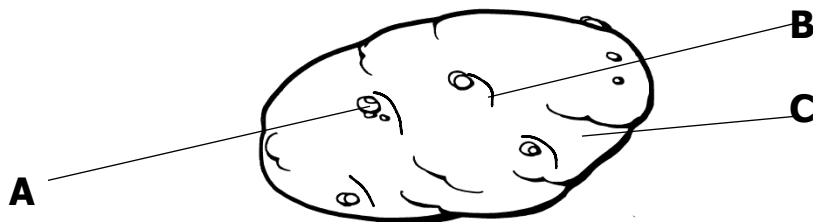
i) .....

ii) .....

c) State one importance of promoting proper personal hygiene.

.....

46. **The diagram below shows an irish potato tuber. Use it answer the questions that follow.**



(a) Name parts marked A and B.

i) **A** .....

ii) **B** .....

(b) What is the collective name given to parts A and B?

.....

(c) What is the function of part marked **C** during its propagation?

.....

47. a) What are energy resources?

.....

b) Give any two ways wind is used as an energy resource.

i) .....

ii) .....

c) Write down any one way of conserving fossil fuels in the environment.

.....

48. a) Write down any one tick borne in disease cattle caused by;

i) Protozoa.....

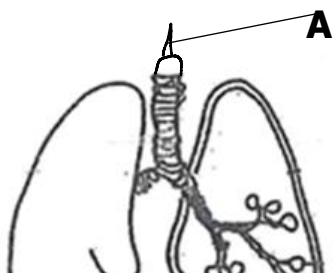
ii) Bacteria.....

b) Give any two ways of controlling tick borne diseases in cattle.

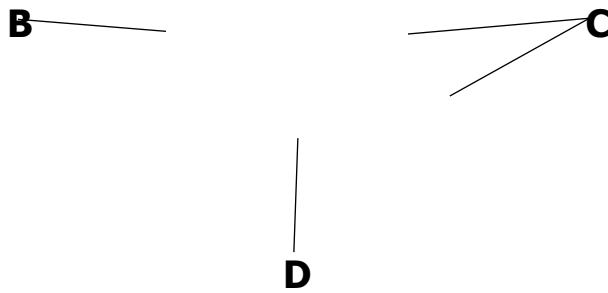
i) .....

ii) .....

**49. Below is a body system. Use it to answer questions that follow.**







a) Name part marked **A**.

**A** .....

b) What happens to part **D** during inhalation?

.....

c) State any one adaptation of structure marked **C** to their function.

.....

d) Write down any one non-infectious disease that affects the above body system.

.....

50. a) Name the alloy used to make a fuse.

.....

b) How does a fuse safeguard an electric circuit?

.....

c) Jayden's radio needs 9 volts to operate. How many dry cells does she need to buy to use it? (2 marks)

51. a) What is drug prescription?

.....

.....

b) Give any two reasons for prescribing drugs.

i) .....

ii) .....

c) Apart from preventing drug poisoning, give one other reason for keeping drugs out of children's reach.

.....

52. a) How is heat important in the control of skin diseases?

.....

b) By what process do solids turn directly into gases?

.....

c) State any **two** effects of heat on matter.

i) .....

ii) .....

53. a) Name the type of teeth that develop first in infants.

.....

b) Why should infants be fed on foods rich in calcium?

.....

c) Write down any two disorders of the teeth.

i) .....

ii) .....

**54. Below is a life cycle of a vector. Use it to answer questions that follow.**



a) Name stage marked **A**.

.....

b) Which type of life cycle is shown above?

.....

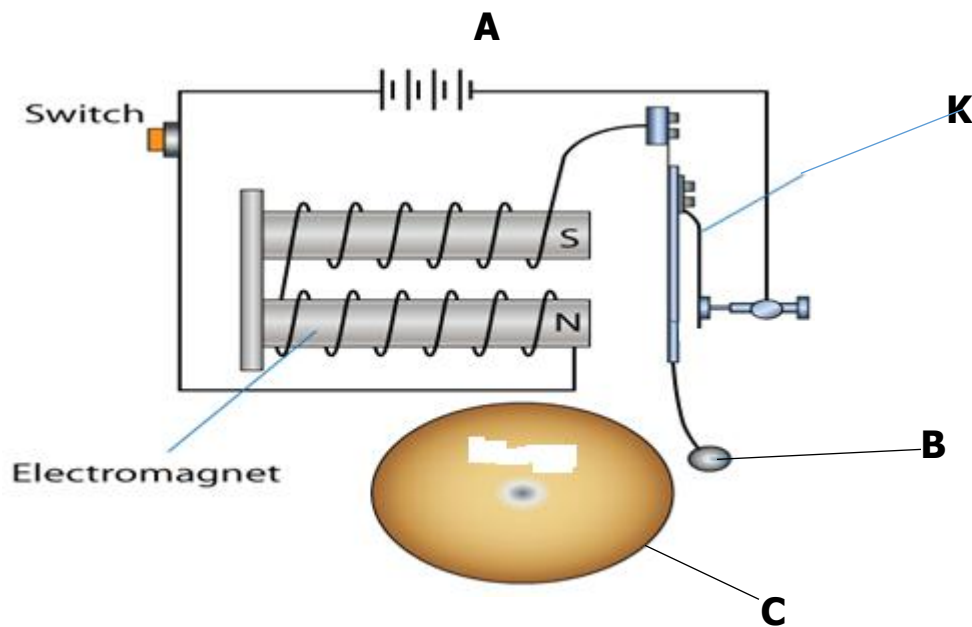
c) Give any one example of an insect whose lifecycle is shown above.

.....

d) State any one danger of insects to people.

.....

55. Use the diagram below to answer the questions that follow.



a) Name the device shown above.

.....

b) What is the function of parts marked A and B on the device above?

i) **A** .....

ii) **B** .....

c) Apart from the device above, give any other device that uses an electromagnet.

.....

**END**