



MPIGI DISTRICT ACADEMIC BOARD
PRE - PLE EXAMINATIONS 2024

SUBJECT : INTEGRATED SCIENCE

CLASS : PRIMARY SEVEN

DURATION : 2 HOURS 15 MINUTES

INDEX NO. :

EMIS NO.					PERSONAL NO.				

CANDIDATE'S NAME: _____

CANDIDATE'S SIGN: _____

NAME OF SCHOOL: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper is made up of two sections: A & B.
2. Section A has 40 questions (40 marks)
3. Section B has 15 questions (60 marks)
4. Answer **ALL** questions in both sections A & B
5. All answers must be written in the spaces provided in **BLUE** or **BLACK** ink. Only diagrams should be drawn in pencil.
6. Unnecessary crossing of work will lead to loss of marks.
7. Poor handwriting, which cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes shown.

FOR EXAMINER'S USE ONLY		
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SECTION: A

1. Give any one reason why we should brush our teeth regularly.

2. Give any one crop propagated by suckers.

3. Name any one product from plants gathered by bees.

4. State the class of food needed for proper growth of bones.

5. Name any one weapon used by a dog for defence.

6. Apart from giving polio vaccine orally, how else can it be administered in children?

7. How is the function of a ligament different from that of a tendon?

8. Which diarrhoeal disease is associated with the passing out of bloody stool?

9. Give any one example of an internal parasite.

10. Why is free range system of keeping poultry is commonly used by most peasant farmers in Uganda?

11. State any one advantage of keeping finger-nails short.

12. What advice can you give to fellow candidates to help them avoid HIV/AIDS?

13. What germ causes gonorrhea?

14. Suggest one way man can save woodfuel.

15. Why is farm yard manure referred to as organic manure?

16. Why is a hoe regarded as a simple machine?

17. Why does a bedbug produce a bad smell when touched?

18. Give one reason for an egg of a bird to be porous.

19. *Identify the type of fracture below.*



20. Give any one reason why animals move from one place to another.

21. Give any one reason for starting a young farmers club in a school.

22. Name the part of a camera with a similar function as the retina in the eye.

23. Which of the gases forms the greatest percentage in the atmosphere?

24. In which process can water be changed into water vapour?

25. Give any one way in which a Child Health Card is important to a school Health Committee.

26. How do solar panels benefit from upthrust force?

27. Give the similarity between ringworm and candidiasis.

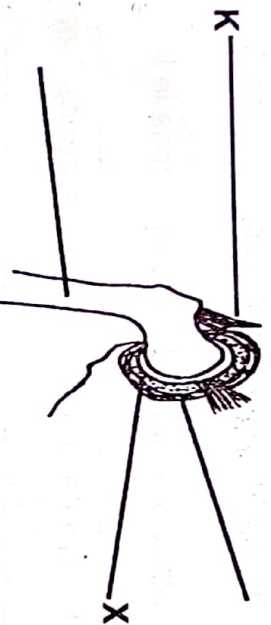
28. Suggest any one measure taken to conserve resources in the environment most especially in wetlands.

29. What kind of accident requires the use of splints in giving First Aid?

30. Name the human body organ that uses light energy for it to function.

31. How is the BCG vaccine different from the polio vaccine in the way they are given to children?
32. Which condition in babies is shown by sunken soft on the head?
33. Name the energy resource obtained from animal dung and urine.
34. Mention any one factor that affects the rate of evaporation.
35. Which property of magnets enables a magnetic compass to work?
36. Give any one reason why pregnant women are advised to feed on food rich in proteins.

The diagram below shows parts of a joint. Study it and use it to answer questions 37 and 38.



37. Which part helps to reduce friction in the above joint.
38. Name the part labelled K.
39. Why is water obtained by distillation method not good for drinking?
40. Which process in humans has a similar function as transpiration in plants?

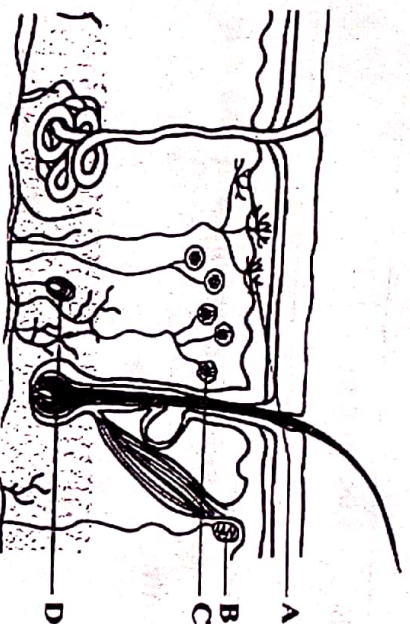
SECTION:B

41a) Name any two exotic breeds of rabbits commonly reared by Ugandan farmers.

- i) _____
- ii) _____
- b) Give any two reasons why most young farmers prefer rearing rabbits to rearing cattle?

- i) _____
- ii) _____

42. *The diagram below represents the skin. Study it carefully and answer questions that follow.*



(a) Name the parts marked:

B

C

(b) State any one function of the skin.

(c) Mention any one disease that affects the skin.

43a) Mention any two examples of excretory organs

(i)

(ii)

(b) Why is the excretory system important in our bodies?

(c) Mention any one example of excretory wastes.

44a) What is an electro-magnet?

b) Suggest any two ways of making an electro-magnet.

i)

ii)

c) How is a generator different from an electromagnet made stronger?

45a) Mention the excretory waste product for the following body organs:

i) liver

ii) skin

b) Give two reasons why sweating is good for a human body.

i)

ii)

46a) Give two importance of proper spacing in crop growing.

i)

ii)

b) Give any two effects of pests on crop.

i)

ii)

47. *Below is a beak of a bird. Study it carefully and use it to answer questions that follow.*



a) To which group of birds does it belong?

b) Give one bird which belongs to the group named above.

c) How is such beak adapted to its function?

d) Give one danger of birds with such beaks to poultry farmers.

48a) What is vegetation?

b) In which two ways do human activities affect vegetation in our environment?

i)

ii)

c) How are plants important to animals?

49a) What is castration in livestock management?

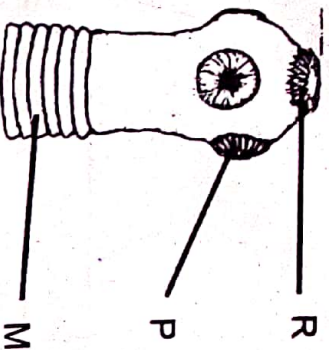
b) State two advantages of castrating goats.

i)

ii)

c) What machine does a farmer require so as to castrate goats?

50. Below is a diagram of a certain type of worm.



- a) Name the above type of worm.

- b) How does the above type of worm feed?

- c) What name is given to part marked R?

- d) How can one get infected by the above type of worm?

51a) Name the gas given out during respiration.

- b) Where do the following processes take place in the body?
 - i) **respiration** _____
 - ii) **breathing** _____
- c) Name any one raw material needed for respiration to take place.

52a) Name any two features that are only found on a V.I.P latrine.

- i) _____
- ii) _____
- b) Which type of latrine in the urine separated from the faeces?

- c) How can a toilet be kept clean?

53a) Name the component of soil that keeps it compact.

b) How is such a component formed?

c) How is the above soil component destroyed?

d) In which way can the above component be conserved?

54. Match items in List A with those in List B.

A

B

Electric path

fuels

Solar electricity

circuit

Hydro electricity

sun

Thermal electricity

water

(i) Electric path

(ii) Solar electricity

(iii) Hydro electricity

(iv) Thermal electricity

55. The list below shows examples of mammals.

Bat, monkey, pig, man and elephant

a) Give two primates from the list of animals above.

(i)

(ii)

b) How is a bat different from other mammals in the list above?

c) Name one example of a herbivorous from the list above.