

THE  
**JUBRA EDUCATIONAL SERVICES - KAMPALA**  
**PRE-P.L.E ASSESSMENT SET I 2024**

**SUBJECT** : INTEGRATED SCIENCE  
**CLASS** : PRIMARY SEVEN  
**DURATION** : 2 HOURS 15 MINUTES

**Index No.**

Random No.						Personal No.		

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

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

**SCHOOL NAME** : .....

**District Name** :

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**DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO  
SO READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

1. This paper is made up of 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 section **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.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot easily be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated For Examiner's use only

**FOR EXAMINERS'  
USE ONLY**

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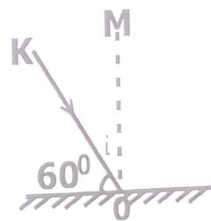
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### SECTION A: (40 MARKS)

1. Name one disease that can be prevented by feeding on a balanced diet.  
\_\_\_\_\_
2. State one effect of roundworms in the body.  
\_\_\_\_\_
3. Why is a goat regarded as a mammal?  
\_\_\_\_\_
4. Give one common example of anti-social behaviour at school.  
\_\_\_\_\_
5. State one role played by the tongue during food digestion.  
\_\_\_\_\_

The diagram below shows an incident ray of light K striking a plane mirror. Use it to answer question 6 and 7.



6. Complete the diagram to show how the light ray is reflected.  
\_\_\_\_\_
7. What type of reflection is illustrated above?  
\_\_\_\_\_
8. Name any one useful fungi in the environment.  
\_\_\_\_\_
9. Give one sign of tuberculosis in children.  
\_\_\_\_\_
10. How does swamp drainage affect the life of aquatic animals?  
\_\_\_\_\_
11. Name the blood vein that transports oxygenated blood in the body.  
\_\_\_\_\_
12. What is food preservation?  
\_\_\_\_\_
13. How are endo parasites controlled in cows?  
\_\_\_\_\_
14. Name one food stuff that is a source of proteins.  
\_\_\_\_\_
15. How are plants useful in the rain cycle?  
\_\_\_\_\_
16. State one characteristic of images formed in the pinhole camera.  
\_\_\_\_\_
17. Why are vaccines given on different body parts?  
\_\_\_\_\_

18. State any one effect of snake venom on a human.

**Below is a list of insects. Use it to answer questions 19 and 20.**

housefly - mosquito - bee - cockroach

19. Which of the above insects is the odd man out?

20. Give a reason to support your answer in (19) above.

21. How do earthworms help to aerate the soil?

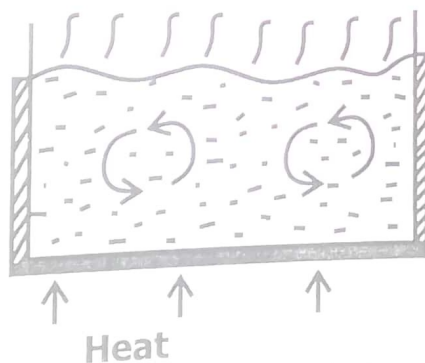
22. Identify the use of conifer trees to the paper industry.

23. Name the method of poultry keeping that controls vices.

24. Give one way in which nimbus clouds are important.

25. How important is a thermos flask in our homes?

**Below is a diagram of one of the methods of heat transfer. Use it to answer question 26.**



26. Name the method represented above.

27. Mention one factor that affects the rate of transpiration.

28. What is the recommended distance between a pit latrine and a water source?

29. Which type of circulation involves the flow of blood from the heart to all body parts except lungs?

30. Identify any one type of farm record.

31. What type of leaf venation is common in monocotyledonous plants?

32. Give one example of an involuntary muscle.

33. In the space below, draw a diagram of a garden tool used to cut big trees.



34. Identify one excretory waste product passed out through the lungs.

35. Mention one enzyme found in the stomach.

36. Why is it a bad practice for people to share a house with domestic animals?

37. What is ante-natal care?

38. Write one effect of buying drugs from local shops or markets.

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

40. Give one place in the environment where scavenger birds are commonly seen.

### SECTION B (60 MARKS)

41a) Give any two agents of soil erosion.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

b) Name any one cause of soil erosion.



c) How can farmers control soil erosion on hilly areas?

42a) How is sound produced?

b) Give one example of string musical instrument.

c) Mention one method of storing sound.

d) State the difference between pitch and volume as used in sound.

43. The table below shows different tropisms and their stimuli. Fill in the missing gaps.

Tropisms	Stimuli
(i) _____	sunlight
Geotropism	(ii) _____
(iii) _____	water
Chemotropism	(iv) _____

44a) In one sentence, give the meaning of the following terms.

i) sprain \_\_\_\_\_

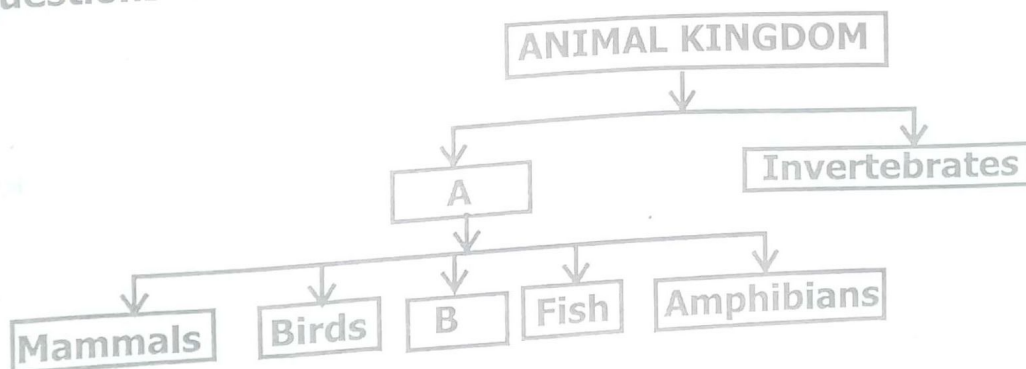
ii) fracture \_\_\_\_\_

b) State any two reasons why we give first aid to casualties.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

45. The table below shows classification of animals. Use it to answer questions that follow.



a) Name the groups of animals marked A and B.

(I) A \_\_\_\_\_

(ii) B \_\_\_\_\_

b) Give one example of animals in each of the following groups.

(i) coelenterates \_\_\_\_\_

(ii) Arachnids \_\_\_\_\_

46a) Mention any two artificial methods of making magnets.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

b) State any two ways of destroying a magnet.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

47a) Name the vector which spreads diarrhoea.

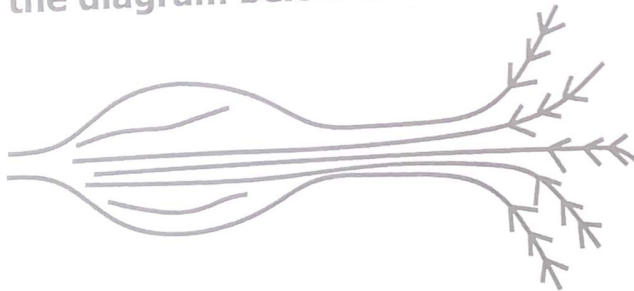
b) Write any one sign of diarrhoea.

c) Give any two ways of controlling the spread of diarrhoea.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

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



a) How is the seed in the diagram above dispersed?

b) Give a reason to support your answer in question (a) above.

c) State any two advantages of seed dispersal.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

49a) Name the method of making alcohol used to prepare concentrated alcohol.

b) Give one reason why some people drink alcohol.

c) Mention one body organ damaged by excessive drinking of alcohol.

d) State one life skill that can safeguard young people from alcoholism.

50a) Mention any two examples of air pollutants.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

b) State one way in which polythene bags affect soil.

c) Mention any one group of organisms which help in decomposition process.

51a) Give the type of chicken reared mainly for;

- (i) meat \_\_\_\_\_
- (ii) Eggs \_\_\_\_\_

b) Name the type of brooder in which a kerosene lamp is used.

c) Name any one condition required during brooding process.

52a) Name the germ that causes malaria.

b) Give two ways malaria can be controlled at school.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

c) Which blood cells are damaged by malaria germs?

53a) Outline any two uses of blood in your body.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

b) Give one difference between arteries and veins.

c) How can one increase the volume of blood in his/her body?

54a) How is soaking important during cleaning clothes?

b) Apart from soaking, give two other steps involved in cleaning clothes.

- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

c) Give one way how water can be made clean for washing clothes.

55a) Mention two ways of controlling tick borne diseases on a cattle farm.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

b) Why do farmers carryout the following practices on a cattle farm?

(I) Drenching \_\_\_\_\_

(ii) Hoof trimming \_\_\_\_\_