



THE PRIME EXAMINATIONS 2022

P.7 PRE - PLE

INTEGRATED SCIENCE (Abridged Curriculum)

Time allowed 2 hours 15 minutes

INDEX NO:

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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your school or district name anywhere on this paper.
2. This paper has two sections: A and B Section A has 40 questions and section B has 15 questions.
3. Answer all questions. All answers to both sections A and B must be written 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 other than graphs and diagrams will not be marked.
5. Unnecessary changes in your work and handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

FOR EXAMINERS' USE ONLY

QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

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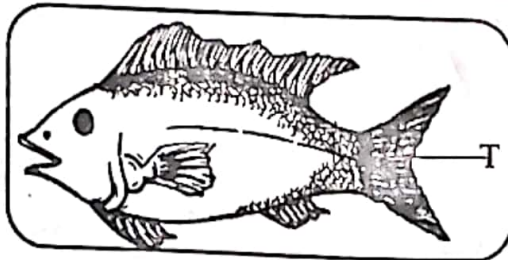
Kampala

Turn Over

Section A. (40 Marks)

1. Name one material which is used in the production of biogas.
2. Mention one vector that lives in clothes due to poor hygiene.

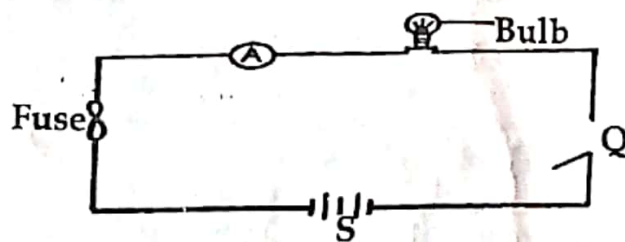
The diagram below shows a fish. Study and use it to answer questions 3 and 4.



3. Name the part marked T.
4. Use letter G to show the part that helps a fish to detect sound waves in water.
5. State any one health habit that helps to keep the excretory system in a good working condition.
6. Why is a rain gauge placed at least 30cm above the ground?
7. State one way of caring for domestic birds and animals.
8. Give one economic reason why farmers carry out apiculture.
9. State the importance of water to a germinating seed.
10. Name the type of friction that exists in liquids and gases.
11. Give any one disadvantage of using flush toilets.
12. To which group of invertebrates does the water snail belong?
13. Give any one cause of infant mortality rate.
14. State one role of a mother at home.
15. In which one way is a lobster similar to a cockroach?
16. Give one way of caring for people with special needs.

17. Why should a granary be leak proof?
18. State any one life skill a school going child should acquire to avoid alcoholism and other drugs of dependency.
19. Give one characteristic of images formed by a pin-hole camera.
20. Apart from land, name one factor to consider before starting a cattle farming project.
21. How is sun drying an important process in preserving harvested maize and rice?
22. What is meant by the term opportunistic infections?
23. Give a reason why people cover food in a saucepan with banana leaves while cooking.

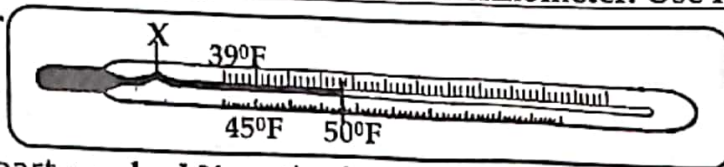
Study the diagram of an electric circuit below and use it to answer the questions 24 and 25.



24. Name the part marked Q from the diagram above.
25. State the energy change that takes place in part S when part Q is closed.
26. Write down any one example of a water habitat vector disease.
27. Give one way of controlling pests and diseases in crops without using drugs.
28. Why do first aiders tie splints around the fractured part of the casualty?
29. How are solar dryers able to dry food substances?
30. Why is ash or sand poured on faeces in an ECOSAN toilet after defecation?

31. Mention any one example of internal parasites in rabbits.
32. What name is given to the three small bones of the ear?
33. In which one way do schools benefit the neighbouring communities?

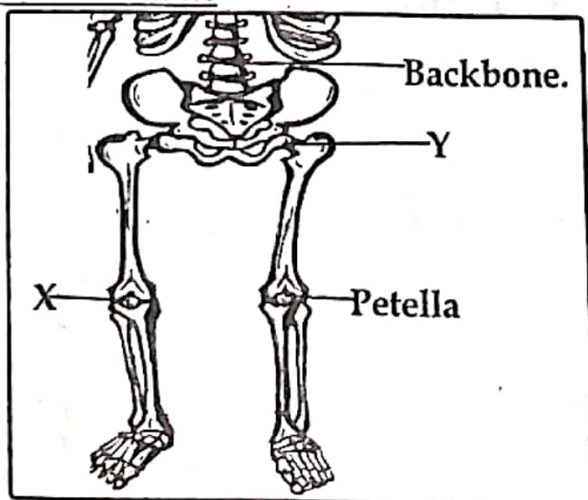
The diagram below is of a clinical thermometer. Use it to answer questions 34 and 35.



34. Name part marked X on the instrument above.
35. Convert 50°F into degrees centigrade as shown on the above instrument.
36. Which type of soil has the highest capillarity?
37. Why are breastfeeding mothers advised to take plenty of drinks?
38. How are bees useful to plants?
39. State one difference between fungi and bacteria.
40. Name one major nitrogenous compound excreted by the human kidneys.

Section B. (60 Marks)

41. The diagram below shows a part of a human skeleton. Use it to answer questions that follow.



(a) Name the type of movable joint marked with letter Y.

(b) Use letter M and an arrow to show the longest bone in the human skeleton.

(c) Give two adaptations that enable joint X to move with reduced friction.

(i) _____

(ii) _____

42. (a) Write down two materials used when making compost manure.

(i) _____

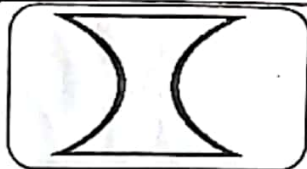
(ii) _____

(b) Give a reason for;

(i) adding water in compost manure.

(ii) covering the heap of compost manure.

43. The diagram below shows a type of lens. Use it to answer questions that follow.



(a) Which eye defect can be corrected using the type of lens above?

(b) Give any one cause of the eye defect named in (a) above.

(c) State any two ways of caring for the human eye.

(i) _____

(ii) _____

44. (a) State the difference between a first aid kit and a first aid box.

(b) Write "RICE" in full as related to first aid kit and accidents.

(c) Give two reasons for giving first aid to accident victims.

(i) _____

(ii) _____

45. Match the sense organs with their corresponding sensitivities correctly.

List A

Tongue

Nose

Ear

Skin

(a) Tongue :

(b) Nose :

(c) Ear :

(d) Skin :

List B

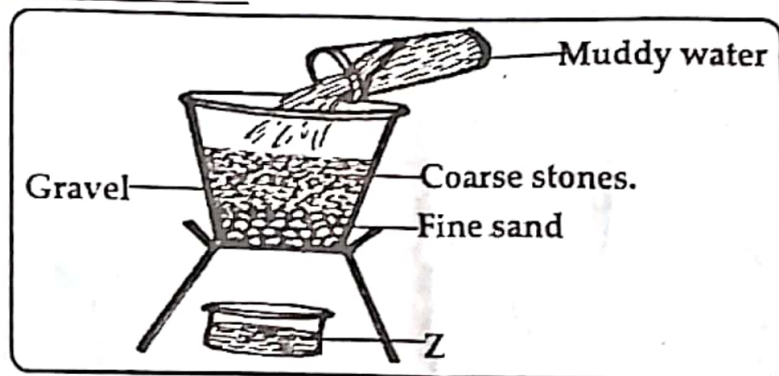
hearing

tasting

feeling

smelling

46. The diagram below is of a method of obtaining clean water. Use it to answer questions that follow.



- (a) Name the method of preparing clean water shown in the experiment above.
- (b) What scientific name is given to substance marked Z in the experiment above?
- (c) Why is water obtained through the above method not safe for drinking?
- (d) Give any one use of water obtained using the above method.
47. (a) Apart from wildlife club, mention one other science oriented club in a school.
- (b) Give one role played by wildlife clubs in schools.

(c) State any two activities done by the wildlife clubs in schools.

(i) _____

(ii) _____

48. (a) Give two importance of plants to people.

(i) _____

(ii) _____

(b) Write down two ways of conserving plants in the environment.

(i) _____

(ii) _____

49. (a) Mention any two examples of physical changes in the environment.

(i) _____

(ii) _____

(b) State any two characteristics of physical changes.

(i) _____

(ii) _____

50. (a) Give two importance of keeping records on a piggery farm.

(i) _____

(ii) _____

(b) Name two examples of records by a piggery farmer.

(i) _____

(ii) _____

51. The diagram below is of a symbol of a certain program carried out in children.
Use it to answer questions that follow.



(a) What does the symbol in the diagram above represent?

(b) Mention any three activities carried out in the above program.

(i) _____

(ii) _____

(iii) _____

52. (a) What is meant by the term grazing as used in cattle keeping?

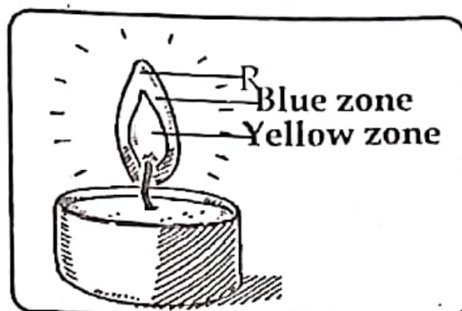
(b) In which way does the use of paddock grazing help to control parasites in cattle?

(c) Apart from paddock grazing, name any two methods of grazing cattle.

(i) _____

(ii) _____

53. The diagram below shows a burning candle. Use it to answer questions that follow.



(a) Name two forms of energy produced at point R.

(i) _____ (ii) _____

(b) Which component of air enables the above experiment to occur?

(c) Apart from the type of change shown in the experiment above, write down one other type of change.

54. (a) Give two ways how screws are applied in our daily life.

(i) _____

(ii) _____

(b) Mention any two machines that use screws.

(i) _____ (ii) _____

55. (a) Which element of PHC is promoted by carrying out tubal ligation in females?

(b) How does condom use control STDs in males?

(c) Mention any two natural methods of family planning.

(i) _____ (ii) _____



Hidden Tip For Excellence in Integrated Science.

- Understand the Examiner's Learning Objectives from that given topic as outlined in the curriculum.

- This will give you an edge in conceptualising the relevant learning points.