

EDUCATION SOURCE 2024
P.7 MID TERM ONE EXAMINATION 2024
CLASS : P. 7
INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Index No.		Random No.		Personal No.				

Name: **Sign:**

Read the following instructions carefully:

1. The paper has **two** sections **A** and **B**.
2. Answer **all** questions. **All** answers to both
Sections **A** and **B must** be written in the
Spaces provided.
3. **All** answers must be written using a **blue or black ball-point pen or ink**.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read
may lead to loss of marks.
6. Do **not** fill anything in the boxes indicated
“**For Examiners’ Use Only**” and those
Inside the question paper.

FOR EXAMINERS' USE ONLY		
QN.NO.	MARKS	EXR'S NO.
1 – 10		
11 – 20		
21 – 30		
31 – 40		
41 – 43		
44 – 46		
47 – 49		
50 – 52		
53 – 55		
Total		

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SECTION A (40 MARKS)

1. Name any **one** requirement of a clean home.

2. How do farmers benefit from keeping rabbits?

3. Give **one** natural way of controlling pests.

4. State any **one** characteristic which makes a bean seed different from a maize grain.

5. How useful are claws to a cat?

6. How does prolonged breast feeding control unwanted pregnancies?

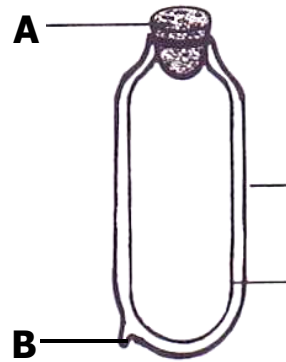
7. State one advantage of using vegetative propagation.

8. Why should farmers give cows feeds during milking?

9. Give one way people use carbon dioxide in their daily lives

10. Mention **one** way in which friction is a useful force at home.

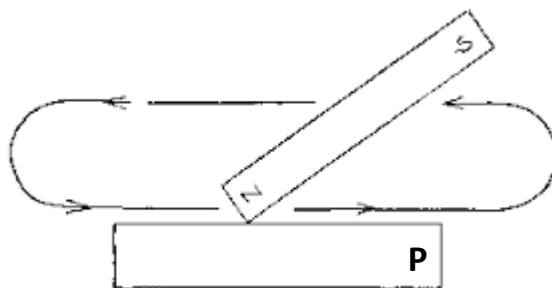
The diagram shows a thermos flask. Use it to answer question 11 and 12.



11. Name the part marked **B** on the above diagram.
-
12. State the role of part marked **A** on the thermos flask above.
-
13. Mention any **one** importance of the worker bees in a hive?
-
14. Name the germ that causes trachoma.
-
15. State the role of chlorophyll in photosynthesis?
-
16. Why is TT vaccine given to girls in child bearing age?
-
17. What useful information should one consider before taking medicine?
-
18. Write down **one** characteristic of insect pollinated flowers.
-
19. Name one insect pest that attacks banana plants in the garden?
-

20. What first aid would you give to a person who has stepped on burning charcoal?
-
21. Give **one** way in which people can prevent the spread of Covid 19 disease in a community.
-

The diagram shows a method of making magnets. Use it to answer 22 and 23.



22. What will pole **P** be after magnetization?
-
23. Which type of magnet is formed by the above method?
-
24. State **one** reason why loam soil is good for growing crops.
-
25. How does the government control the spread of foot and mouth disease when it breaks out?
-
26. Give **one** substance that is used to make honey by the bees.
-
27. Which harmful substance in tobacco leads to addiction..
-

28. Why is a pair of scissors grouped under first class lever?

29. Give **one** use of nitrogen gas in the environment.

30. Which other weather instrument has the same function as a wind vane.

31. Why does a black shirt dry faster than a white shirt when hanged under the same conditions?

32. How does a flying bee produce sound?

33. In which way is oxygen useful to germinating seeds?

The diagram below shows a metallic rod made of two different metals (bimetallic strip) (X and Y as shown. When heated the rod bends.



A



B

34. Which of the two metals x and y expands faster?

35. State one difference between fish and birds in terms of reproduction.

36. Name **one** example of involuntary muscles.

37. Give **one** reason why ostriches are unable to fly.

38. State the importance of transpiration process to plants.

39. Which part of the alimentary canal produces gastric juice?

40. Name the type of soil which has the highest capillarity.

SECTION B (15 questions, 60 Marks)

41. (a) Which structure protects the tip of a growing root?

(b) Name the part of a seed that grows into roots.

(c) Apart from absorbing water and mineral salts, mention any other use of roots to plants.

(d) How are roots adapted to the task of absorbing water for the plant?

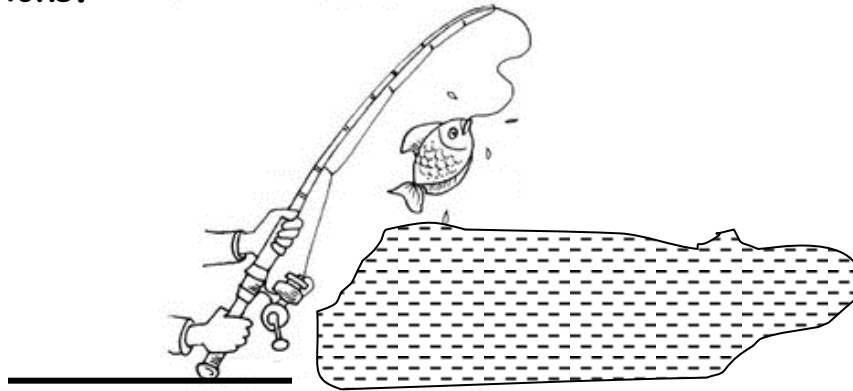
42. (a) Mention any **one** porous material that can be used in filtration of water.

(b) Apart from removing impurities from water, how else is filtration useful at home?

(c) Why is filtered water not recommended for drinking?

(d) Write down any **one** way of making water safe for drinking.

43. The diagram shows a man fishing with a fishing rod. Use it to answer the questions.



- (a) To which class of levers does a fishing rod above belong?

- (b) Give a reason for your answer in (a) above.

- (c) Use letter **K** to show the pivot.

- (d) Name **one** other simple machine in the same group as the fishing rod.

44. (a) Name any **one** equipment used in displacement method of finding volume.

- (b) What is the unit for measuring the following:-

- (i) Mass? _____

- (ii) Temperature? _____

- (c) Give the meaning of the term "**density**" as used in measurement of objects.

45. The table below shows groups of animals. Study and use it to answer the questions that follow.

P	Q	R	S
SNAKE	BAT	PIGEON	FROG

- (a) Which of the above animals undergoes external fertilization?

- (b) State one characteristic that makes a bat different from the other animals in the table.

- (c) State any **one** similarity between animals **R** and **S**.

- (d) Mention any **one** animal in the same group of vertebrates as animal **P**.

46. (a) Give any **two** causes of soil erosion.

- (i) _____

- (ii) _____

- (b) Write any two ways farmers control soil erosion in their gardens.

- (i) _____

- (ii) _____

47. (a) Give **one** example of useful bacteria in the environment.

(b) How do the following reproduce?

(i) mushroom _____

(ii) yeast _____

(c) Name any **one** fungal disease in people.

48. The table shows methods of breeding in cattle in List A and the meaning in List B. Arrange them correctly.

A	B
Selective breeding	Mating closely related animals.
In breeding	Mating animals of the same breed and family background
Line breeding	Mating between animals only chosen by the farmer.
Cross breeding	Mating animals of two different breeds.

(a) selective breeding _____

(b) Inbreeding _____

(c) Line breeding _____

(d) Cross breeding _____

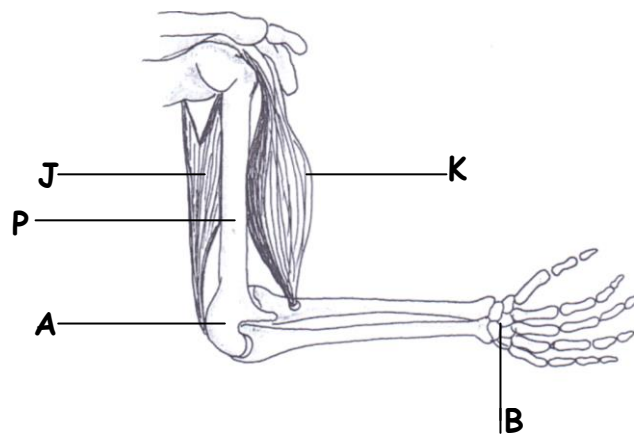
49. (a) Give the meaning of the term "**resource**"

(b) What term is used to mean the use of an old resource for another purpose?

(c) How is soil used as a resource?

(d) Give **one** way of conserving soil as a resource?

50. The diagram below shows a human arm. Use it to answer the questions.



(a) Name the joints shown by letters **A** and **B**.

(i) **A** _____

(ii) **B** _____

(b) What happens to muscle **J** when the arm is stretched?

(c) Name the bone marked **P**.

51. (a) Give the importance of having a switch in an electric circuit.

(b) What form of energy is produced by dry cells?

(c) State **two** ways in which electricity can be dangerous to people.

(i) _____

(ii) _____

52. (a) Name any **one** factor which affects the pitch of sound.

(b) Give **one** way in which an echo is useful to

(i) Whales _____

(ii) Sailors in a ship _____

(c) How can we care for our ears?

53. (a) Identify any **one** physical change that occurs due to heat gain.

(b) Give **one** example of biological changes in;

(i) plants _____

(ii) animals _____

(c) State the similarity between chemical and biological changes.

54. (a) What is the function of a lens in a camera?

(b) Write **one** characteristic of images produced by a pinhole camera.

(c) Why does a coin at the bottom of a glass of water appear nearer the surface?

(d) Mention any **one** natural source of light.

55. The diagram shows a farm management practice. Use it answer the questions.



(a) Name **two** bad habits controlled by the above practice.

(i) _____

(ii) _____

(b) Using the letter **W**, label the wattle.

(c) Give any **one** cause of bad habits practiced by poultry.

END.