

CREATIVE EDUCATIONAL SERVICES
END OF TERM I EXAMINATIONS
2023
INTEGRATED SCIENCE AND HEALTH EDUCATION

PRIMARY SIX

Time Allowed: 2 hours 15 minutes

Pupil's Name :

Stream :

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

Read the following instructions carefully:

1. This paper has **two** sections: **A** and **B**.
2. Section **A** has 40 questions (40 marks)
Section **B** has 15 questions (60 marks)
3. Answer all questions. All questions 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 fountain pen.
5. Unnecessary changes of work may lead to **loss** of marks.
All diagrams must be drawn in pencil.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do **not** fill anything in the boxes indicated:
“For Examiners’ Use Only”

FOR EXAMINERS’ USE ONLY		
Qn. No.	MARKS	EXRS’ IN.
1 – 20		
21 – 30		
31 – 50		
51 – 53		
54 – 55		

SECTION A

1. Which type of soil is used for making pots?

2. What is the importance of carbohydrates in our diet?

3. Give a reason why sound travels fastest through solids.

4. State any one characteristics of arthropods.

5. Why is displacement method used to find the volume of objects like a stone?

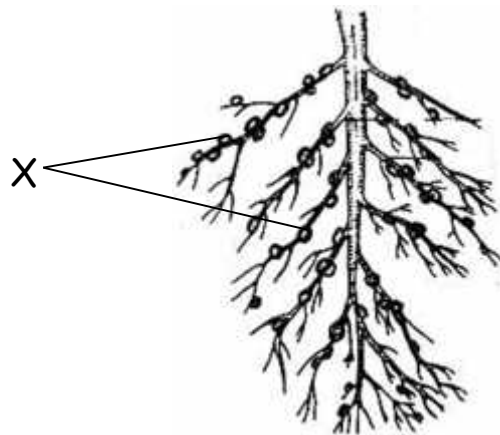
6. Which practice in goat management prevents inbreeding?

7. How is an eagle adapted to its mode of feeding?

8. Write any one advantage of mulching soil to a farmer.

9. Why is s duck billed platypus called a monotreme?

The diagram below shows a root system of a plant. Use it to answer questions 10 and 11.



10. Name the type of root system shown in the above diagram.

11. State the function of part X in the above diagram.

12. Give any one component of a balanced diet.

13. Which type of thermometer is used to measure the highest and lowest temperature of the day?

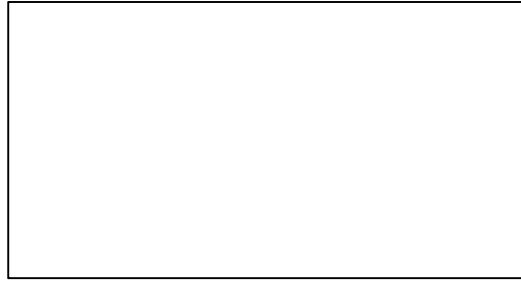
14. How do people benefit from eating fish?

15. Give any one way in which plants protect themselves from their enemies.

16. Name any one animal product used as food.

17. How does heat from the fire reach meat being roasted?

18. In the space below, draw a foot of a swimming bird.



19. How is pulmonary vein different from other veins in the body?

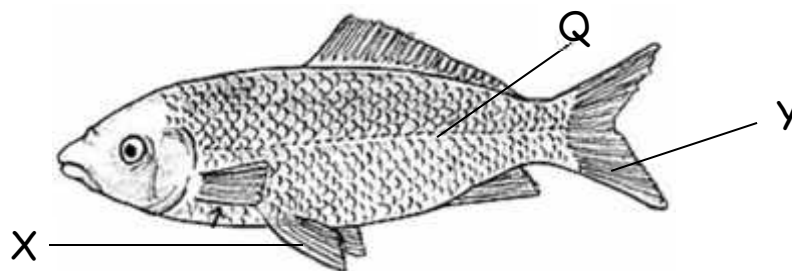
20. Give any one way echoes can be reduced in a cinema hall.

21. How useful is a pit latrine at home?

22. What name is given to the physical process by which water turns into ice?

23. State any one game that can be played using air.

The diagram below is of a fish. Use it to answer questions 24 and 25.



24. How useful is part marked Y to a fish?

25. Which part of an insect serves the same function like part labeled Q above?

26. Name the natural hazard whose effect can cause displacement of people living around swamps.

27. Give any one effect of alcoholism to an individual.

28. Write any one factor that affects the pitch of sound.

29. State one way of controlling soil erosion on hilly areas.

30. How can parents control poisoning of children in their homes?

31. Give a reason why a flute is grouped under wind musical instruments.

32. State any one way a farmer can prevent his garden tools from rusting.

33. Why is it important to cover the mouth with handkerchief while coughing?

34. Name the natural fibre got from a boar goat.

35. Write the type of family which is made up of father, mother and uncle.

36. Give any one body sense.

The diagram below shows a beak of a bird. Use it to answer questions 37 and 38.



37. Give any one example of a bird with such a beak.

38. How is the above beak adapted to its function?

39. Why do some objects float on water?

40. In which way is poultry farming important to a crop farmer?

SECTION B

41. (a) State any one characteristic of a physical change in the environment.

(b) Give any one example of a chemical change.

(c) How is a biological change important to a living thing?

(d) Why do some snakes shed off their skin?

42. Match the vertebrates in list X to the group they belong to in list Y.

List X

List Y

Chameleon

Amphibians

Tilapia

Reptiles

King fisher

Fish

Salamander

Birds

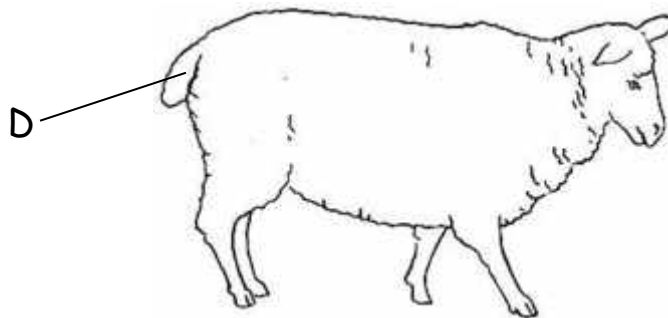
(a) Chameleon

(b) Tilapia

(c) King fisher

(d) Salamander

43. The diagram below is of a female animal. Use it to answer the questions that follow.



(a) Which animal is shown in the diagram above?

(b) Name the part of the animal marked D.

(c) Give the advantage of cutting short part marked D to this animal.

(d) State any one product got from the animal drawn.

44. (a) Name the two types of clouds found in the sky.

i. _____

ii. _____

(b) Which type of cloud gives a farmer rain?

(c) Why should crop farmers study about weather changes?

45. (a) Apart from distillation, name one other method of making alcohol.

(b) Name the fungus used in the process of making alcohol.

(c) Give two uses of alcohol in the hospital.

i. _____

ii. _____

46. (a) Who are vulnerable people?

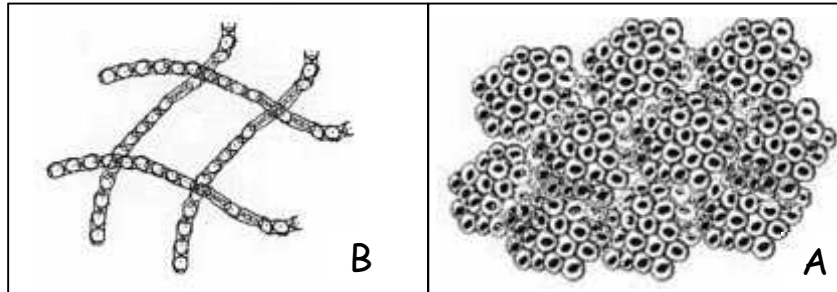
(b) Apart from pregnant mothers, mention any two groups of vulnerable people.

i. _____

ii. _____

(c) Suggest any one activity family members can do to help vulnerable people.

47. The diagram below shows eggs of two amphibians. Use it to answer questions that follow.



(a) Name the amphibian which lays eggs marked:

A _____ B _____

(b) How are the above eggs protected from predators?

(c) What type of fertilization is common in all amphibians?

48. (a) State any two methods of heat transfer.

i. _____

ii. _____

(b) Give any one use of heat to people.

(c) Why are gaps left in between rails during the construction of the railway line?

49. (a) what are root crops?

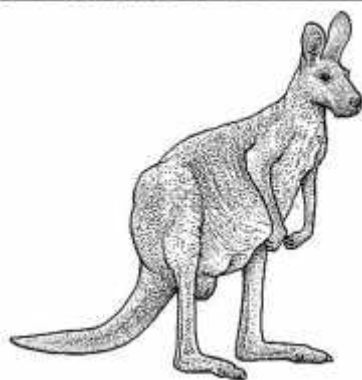
(b) Give any two examples of root crops apart from cassava.

i. _____

ii. _____

(c) How is cassava propagated?

50. The diagram below is of a mammal. Use it to answer the questions that follow.



(a) Name the group of mammals to which the above mammal belongs.

(b) Apart from the above mammal, give any two other examples of mammals in the same group.

i. _____

ii. _____

(c) State one way in which the above mammal is adapted to its mode of life.

51. The table below shows deficiency diseases, causes and prevention. Study it carefully and complete it correctly.

Deficiency disease	Cause	Prevention
Goitre	_____	Eat food rich in iodine
_____	Lack of proteins	Eat food rich in proteins

Scurvy	Lack of vitamin C	_____
_____	Lack of calcium	Sun bathing in the morning

52. (a) Name any two types of families.

i. _____

ii. _____

(b) Give any one role of each of the following at home:

i. Father _____

ii. Child _____

53. (a) Apart from white blood cells, name any two other components of blood.

i. _____

ii. _____

(b) Which blood cell is destroyed by malaria parasite?

(c) Name the component of blood which fights against disease causing germs in the body.

54. (a) Write two ways in which soil is formed.

i. _____

ii. _____

(b) Give any one activity that can lead to soil exhaustion.

(c) How can a farmer control soil exhaustion in his garden?

55. (a) What is digestion?

(b) How useful is the ileum during the digestion process?

(c) Name any two food substances which is absorbed into the blood stream from the stomach.

- i.

- ii.

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