



THE SPECTRUM EXAMINATIONS HUB
BEGINNING OF TERM III EXAMINATIONS, 2024
P.6 SCIENCE
TIME ALLOWED: 2 HRS 15 MINUTES

Pupil's name.....

School name.....

Read the following instructions carefully:

1. This 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. Answers must be written using a blue or blackball point pen or ink. Any pencil work will not be marked.
4. Unnecessary changes in your work and handwriting that cannot be easily read may lead to loss of marks.
5. Do not fill anything in the table indicated; "For examiners' use only".

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXR'S
1- 10		
11-20		
21-30		
31-40		
41-43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

SECTION A

1. Name the component of air which supports germination.

2. State the importance of lateral line to fish.

3. Give one danger of eating food using dirty hands.

4. How is the tongue useful to a human being?

5. Identify any one preventive measure for malaria.

6. Give the difference between blood transported by the pulmonary artery and the pulmonary vein?

7. Name the immunisable disease prevented by BCG vaccine.

8. Give one reason why human beings are grouped under mammals.

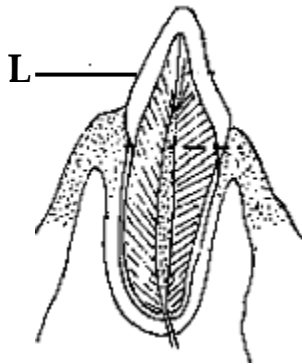
9. What kind of force pulls objects towards the Centre of the earth?

10. Suggest one activity a person can do to promote personal hygiene.

11. Why should farmers rear bees in a quiet place?

12. Give a reason why a stone sinks in water.

13. Name the part of the human skeleton which protects the lungs.



14. How is part L useful to a tooth?

15. State the use of the above tooth.

16. Give one example of an egg laying mammal.

17. Give any one property of air.

18. Mention any one effect of heat on metals.

19. What part of a bean seed stores food for germinating embryo?

20. Name the element of PHC which fights immunisable diseases.

21. State the use of a clinical thermometer in the hospital.

22. Give the difference between a drupe and a berry in fruits.

23. Mention any one importance of castration in bulls.

24. How does poultry keeping help to control kwashiorkor in children?

25. State any one adaptation of birds to flying.

26. What scientific name is given to a liquid collected after filtration?

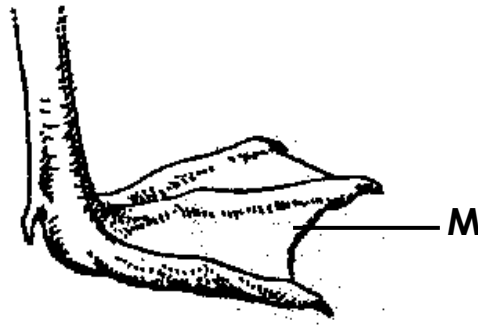
27. Why are gaps left in railway line?

28. Where does digestion of food end in the alimentary canal?

29. State any one factor that affects transpiration in plant.

30. Mention the method used to find volume of irregular objects.

The diagram below shows the foot of a bird, study it and answer questions 31 and 32.



31. Name the part marked M?

32. Give one example of a bird with such a foot.

33. Name one mineral deficiency disease.

34. Where in a plant does photosynthesis take place?

35. Why does blood go to the kidney?

36. By what process are water molecules absorbed from the soil to the roots?

37. Give one reason why flowers are brightly coloured.

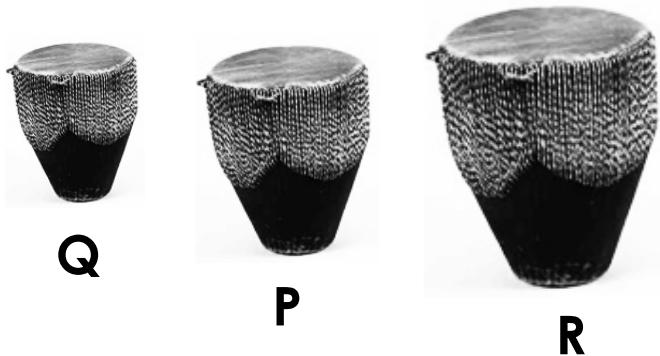
38. Write down any one example of cereal crops you know.

39. Give any one way plants with weak stems climb others.

40. Briefly explain the term solitary insects.

SECTION B (60 marks)

41. The diagram below shows drums of different sizes, use them to answer questions that follow.



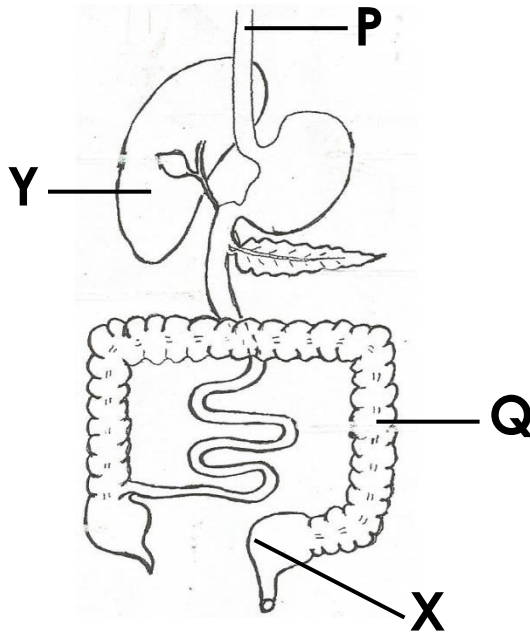
(a) Under which group of musical instruments are the drums?

(b) Identify the drum that produces highest pitch of sound.

(c) Give a reason to support your answer in “b” above.

(d) How do drums produce sound?

42. The diagram below show a digestive system. Use it to answer questions that follow.



- (a) Name the part of the digestive system marked Q and Y.

Q _____

Y _____

- (b) Mention any two disorders of the digestive system.

(i) _____

(ii) _____

43. (a) What is seed dispersal?

- (b) State any two agents of seed dispersal.

(i) _____

(ii) _____

- (c) Mention any one advantage of seed dispersal.

(i) _____

44. (a) State two reasons why people abuse drugs.

(i) _____

(ii) _____

(b) Give two ways how one can avoid drug abuse.

(i) _____

(ii) _____

45. (a) Define the following terms used in cattle keeping.

(i) Castration

(ii) Dosing

(iii) Drenching

(iv) Steaming up

46. (a) How does deforestation lead to soil erosion?

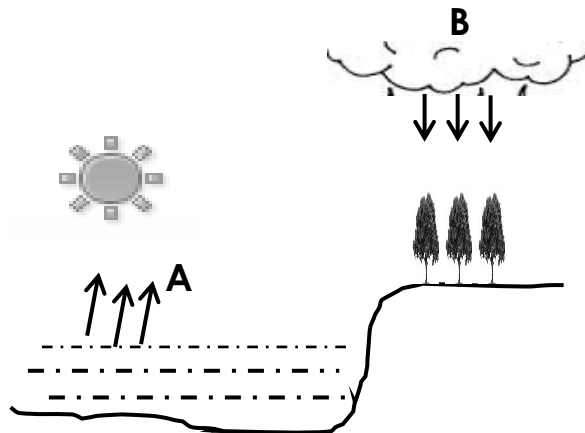
(b) Besides deforestation, state any two other causes of soil erosion.

(i) _____

(ii) _____

(c) How can we control soil erosion in our gardens?

47. Study the diagram below and answer the questions that follow.



(a) Name the physical feature marked A and B.

A _____

B _____

(b) How useful is the sun in the above process?

(c) Name the type of the rainfall received in the forested area.

48. Use the table below to answer questions that follow.

A	B	C
Cow	Hawk	Snake
Rat	Owl	Crocodile
Bat	Eagle	Lizard

(a) Under which group of vertebrates are animals found in A.

(b) Give the common characteristic found in all above mentioned animals.

(c) How are animals in A similar to animals in C in terms of reproduction?

(d) State the importance of scavenger birds in the community.

49. (a) What is matter?

(b) State any two states of matter.

(i) _____

(ii) _____

(c) Mention one effect of heat on matter.

50. (a) What special name is given to living organisms that destroy farmers crops?

(b) Mention any one way how pests reduce on crop yields.

(c) State any two ways of controlling crop pests.

(i) _____

(ii) _____

51. (a) Give two reasons why bees swarm.

(i) _____

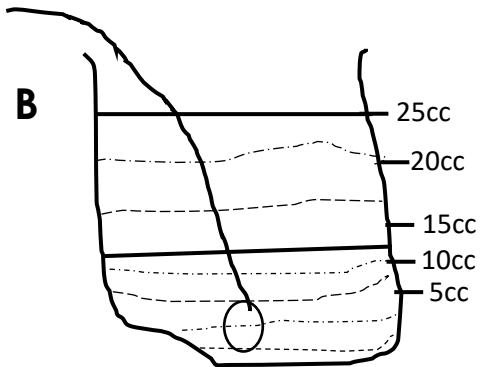
(ii) _____

(b) State two ways how a bee keeper can control swarming in bees.

(i) _____

(ii) _____

52. Use the diagrams below to answer questions that follow.



(a) Find the volume of the irregular object?

(b) How useful is string B in the setup.

(c) Name the above method used to find volume.

53. (a) State the function of different types of teeth

(i) Incisors _____

(ii) Canine _____

(b) How are incisors adapted to their function?

(c) State one way of caring of our oral health.

54. (a) What is immunity?

(b) Give a reason why children are immunized measles at 9 months.

(c) State two uses of children health cards.

(i) _____

(ii) _____

55. Match the group of arthropods below to their characteristics.

A

Ovules

Petals

Sepals

Ovary

B

Attracts pollinators

Develops in to seeds

Develops in a fruit

Protects a flower at a bud stage

1. Ovules:_____

2. Petals:_____

3. Sepals:_____

4. Ovary:_____

END