



ITEM 1
INTERGRATED SCIENCE
Time allowed: 2 Hours 15 minutes

SECTION A

1. Name the sense organ which tells that tea is very sweet.

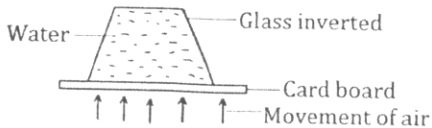
2. What problem results after the eardrum has burst in the ear?

3. Why is forest conservation encouraged in Uganda?

4. How is a plate stand useful to a family in a home?

5. Identify the type of joint in the body which gives a wide range of movement.

6. Give one advantage of Bio-gas production to environment?

7. What does the experiment below show?


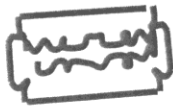
8. How is a short circuit dangerous in a home?

9. State one effect of polio disease to an individual.

10. Why is friction said to be a nuisance force?

11. How do animals make use of the gas given out by plants during respiration?

12. Identify the simple machine shown below.

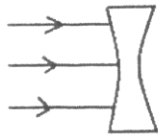


13. State any one similarity between a rat and a bat as a mammal.

14. Which blood cells are destroyed by a plasmodium germ?

15. How do humans get infected with tape worm?

16. Complete the diagram showing light rays as they leave the lens below.



17. What problem is Jenifer likely to face if she eats food without washing her hands?

18. Why is rubber and plastics used to insulate electric live wires?

19. Name one object which floats on water.

20. Which type of teeth is used for cutting food?

21. Which part of the human ear is responsible for balancing the body?

22. How can the volume of irregular objects be measured?

23. Give one danger of digging in wetlands.

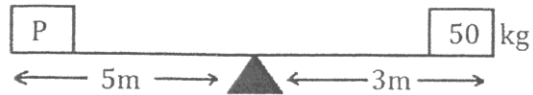
24. Why is sandy soil not good for farming?

25. Identify one common secondary characteristic in both boys and girls.

26. How is a dustbin useful in a school?

27. Give one method of making a temporary magnet.

28. How is wind used as an energy resource?



29. Find the weight of 'P' if the level is balancing.

30. Why is tying between the heart and injured part a good first aid for a snake bite?

31. Which vector is responsible for spreading sleeping sickness in homes?

32. A block has a mass of 24gm and a density of 4gm/cc. Find its volume.

33. Which immunisable disease makes the muscles of a person stiff?

34. On the diagram below, show the position of the pivot with letter P.



35. Give the use of saliva in the digestion process.

36. How is the human skin a useful organ of the body?

37. Mention one health habit which keeps kidneys healthy.

38. State one use of light from the sun in the environment.

39. Give one disadvantage of the range system of rearing animals.

40. How is a Vent Pipe on a VIP Latrine Useful?

SECTION B: 60 Marks

41. (a) Name any one example of poultry.

- (b) Why do farmers keep Dual purpose birds?

- (c) Give one disadvantage of battery system of rearing birds.

- (d) Identify a poultry disease caused by protozoa.

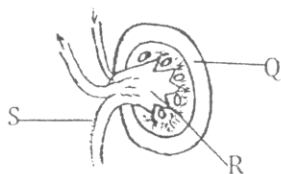
42. (a) What is dehydration?

- (b) Give one sign of dehydration.

- (c) Mention one cause of dehydration.

- (d) How can dehydration be controlled?

43. *The diagram shows a human kidney.*



(a) Name the part labeled R.

(b) What activity is done at Q?

(c) To which part of the body does S go?

(d) Give one disease which affects the kidneys.

44. ***The diagram shows a baby who received immunization.***

Show the immunizable sites for (i) DPT Vaccine ii) Measles Vaccine

iii) BCG

iv) Polio Vaccine



45. (a) What are organic manures?

(b) Name two types of organic manures.

(i)

(ii)

46. (a) Give any two ways how animals depend on plants.

(i)

(ii)

(b) Identify one way how plants depend on other plants.

(c) Mention one way how animals depend on other animals.

47. (a) How is sound energy produced?

(b) Why do we store sound?

_____ (c) Give one
factor determining the pitch of sound.

(d) Name one percussion instrument.

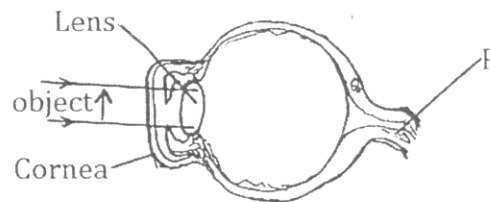
48. (a) State one way of preserving milk.

(b) Why is inbreeding a bad practice on a farm?

(c) How is colostrums milk good to a calf?

(d) Name one viral disease in cattle.

49. *The diagram below shows a human eye. Use it to answer questions about it.*



(a) Name the part labeled with letter P.

(b) Draw the image of the object in the eye.

(c) State the use of the cornea.

(d) Name any **one** eye defect.

50. (a) Identify two types of pollination.

(i) _____

(ii) _____

(b) Give one agent of pollination.

(c) How is pollination important to plants?

51. (a) Give one difference in germination of monocotyledonous and dicotyledonous.

(b) Mention one condition required for a seed to germinate.

(c) Apart from using chemicals, give two ways of controlling pests in a garden.

(i) _____

(ii) _____

52. (a) Identify two uses of carbondioxide in daily life.

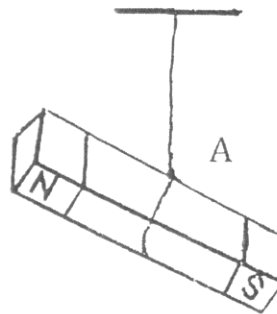
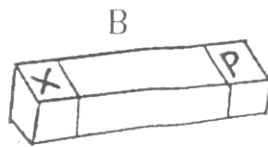
(i) _____

(ii) _____

(b) Other than carbon dioxide, name any other gas that form part of air.

(c) State one disadvantage of wind in the environment.

53. *The diagram shows a freely suspended magnet A. Magnet B was brought close to it as shown in the diagram.*



(a)

(b) Why did magnet A and B remain apart as shown?

(c) Give one way of demagnetizing magnets.

(d) How are magnets useful in the environment?

54. (a) Name the blood vessel which carries deoxygenated blood from the body back to the heart.

(b) What type of blood is carried by the Aorta?

(c) State one function of blood in the body.

(d) How is the HIV/AIDS virus a danger to the circulatory system?

55. (a) Give any two requirements for starting a farm.

(i) _____

(ii) _____

(b) Why are income and expenditure records kept on a farm?

(i) _____

(ii) _____

END