**SHIMONI DEMONSTRATION SCHOOL-KIRA**

**MID TERM TWO EXAMINATIONS, 2024**

**P.6 INTEGRATED SCIENCE**

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***SECTION A***

1. State one characteristic of a bean plant that makes it a living thing.

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2. Give any one way of preserving milk.

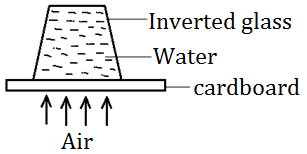
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3. Name any one example reptile.

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4. Give any one example of spore producing plants.

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5. Which property of air is represented in the illustration below?

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6. Name the type of soil which does not allow water too pass through it easily.

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7. What is the duty of a queen bee in a hive?

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8. What are vertebrates?

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9. How are scavenger birds useful to man?

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10. Name the skeleton disease prevented by administering BCG vaccine.

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11. Calculate the density of a stone whose mass is 160g and has displaced water equal to 40cc.

12. Which part of the clinical thermometer has a similar function with valves of mammalian heart?

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13. What is an echo?

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14. **The diagram below shows a beak. Study it carefully and answer questions**.



Identify the type of food which a bird with the above beak feeds on.

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15. How is the plant below adapted to being dispersed by animals?

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16. Give one material used when harvesting honey.

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17. How can we reduce the speed of fasting running water in the school compound?

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18. Mention any one disease which is likely to break out in case of poor hygiene in a

community.

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19. Name the part of an insect that has the same function as the gills of the fish.

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20. Apart from animal kingdom, which other group of organism make up living things?

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21. Kato suffered from a disease and recovered, which type of immunity did he get?

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22. State one reason why animals make sound.

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23. Give one example of flightless bird.

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24. What is seed dispersal?

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25. Which part of the human ear maintains body posture?

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26. Name the farm practice that makes mating easy in sheep.

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27. Write one danger of sharing a water source with animals.

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28. Give one characteristic which is common in all mammals.

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29. How do fish help in the control of malaria?

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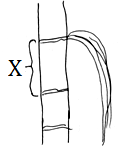
30. How can a farmer control weeds in the garden?

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31. What is the importance of ventilators on a living house?

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32. Name the part of the flowering plant marked “X” in the diagram below.



X \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

33. What is frequency as used in science?

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34. What practice enables a primary child to remove germs from his/her hands after using a latrine?

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35. What name is given to the main artery?

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36. Why does blood go to the lungs?

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37. In which part of the maize grain is the food stored?

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38. How is sound produced?

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39. Name one example of a fruit that develop from the receptacle of a flower.

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40. Change 320F to Celsius scale.

***SECTION B***

41. (a) What is pollination?

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(b) State two types of pollination.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) Name one agent of pollination.

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42. (a) What is passive smoking?

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(b) Name one harmful chemical found in tobacco.

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(c) State two effects of smoking on the human body.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

43. (a) What is poultry?

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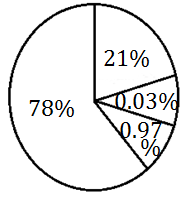
(b) State any two vices common among poultry.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) Name one disease common in poultry and rabbits.

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44. ***The pie chart below shows amount of gases in the atmosphere. use it to answer questions which follow***.

(a) Name the gas represented with the total percentage of 21% in the pie chart.

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(b) Which gas occupies the largest part in the atmosphere?

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(c) Give two uses of carbon dioxide in the environment.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

45. (a) Name two components of blood.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) Give one structural difference between a vein and an artery.

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(c) Name one disease of circulatory system.

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46. Study the table below and answer the questions that follow.

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| --- | --- |
| **List A** | **List B** |
| Tilapia  Frog  Crocodile  Dove | Rat  Goat  Lion  Whale |

(a) What is the similarity in the way animals in list A reproduce?

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(b) To which class of animals do those in list B belong?

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(c) In which way is tilapia in list A similar to a whale in list B?

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(d) What is common about animals in list A and B?

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47. (a) Mention two solutes used in making ORS.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) How is ORS useful to dehydrated person?

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(c) Apart from ORS, what else should be given to the patient with severe diarrhea?

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48. (a) What is germination?

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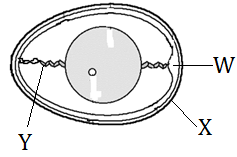
(b) Name the three conditions necessary for seed germination.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(iii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

49. ***The diagram below is of a bird’s egg. Use it to answer the questions that follow.***



(a) Name the part marked W.

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(b) State the function of part marked Y.

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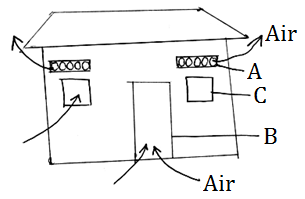
(c) Why is part labeled “X” porous?

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(d) Explain why an egg may fail to hatch.

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50. ***Study the diagram below and use it to answer questions that follow***.



(a) Name the structure marked A on the diagram above.

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(b) How are structures marked B and A important?

(i) B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) How can you improve the sanitation of the above house?

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51. (a) Write DPT in full.

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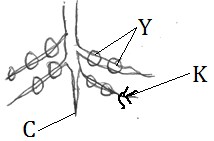
(b) Why is DPT vaccine called a triple vaccine?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) Name any two diseases prevented using DPT.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

52. ***The diagram below shows a root of a bean plant. Use it too answer questions that follow***.

(a) Name the root system above.

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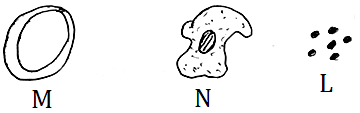
(b) How are the following parts useful to the plant?

(i) Y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) K \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(iii) C \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

53. ***Below are different types of blood calls. Use them to answer questions that follow***.



(a) Name the type of blood cell marked L.

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(b) How important is blood cell marked M in the body?

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(c) Which of the above marked cells is infected by germs spread by female anopheles mosquito?

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(d) Where in the body are blood cells of type N produced?

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54. (a) Give any two method of making alcohol.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) State the use of water during making of alcohol.

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(c) Why do people take alcohol?

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55. (a) What is mulching?

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(b) Write two advantages of mulching.

(i) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(ii) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) How does mulching improve soil fertility?

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**END**