



INDIAN SCHOOL SOHAR
TERM-II EXAM (2017-18)
SCIENCE

No of pages:2

CLASS : VII
DATE: 13-03-18

MM: 80
TIME: 3 Hrs

GENERAL INSTRUCTIONS:

1. Question numbers 1 to 4 are 1 mark each. Answer in one word or one sentence.
2. Question numbers 5 to 12 are 2 marks each. Answer in 30 words each.
3. Question numbers 13 to 22 are 3 marks each. Answer in 50 words each.
4. Question numbers 23 to 28 are 5 marks each. Answer in 70 words each.
5. There is no overall choice ,however choice is provided in Q.no -22 & 28.

1. Name two ancient time measuring devices. 1
2. What is the significance of dividing heart into different chambers? 1
3. Complete the following equations- 1
 - a. Vinegar + baking soda \longrightarrow _____ + other substances.
 - b. Magnesium + oxygen \longrightarrow _____.
4. Name two chemicals used to disinfect water. 1
5. List any four methods of water conservation. 2
6. State the nature of the image formed by a plane mirror. (4 points) 2
7. Differentiate between physical and chemical changes. (2 points) 2
8. Certain wastes should not be thrown down the drain. Take two examples and give reason for each. 2
9. Define the terms- a. Aquifer b. Infiltration. 2
10. Which is the only artery that carries carbon dioxide rich blood? Why is it called an artery? 2
11. What is a food chain ? Give one example. 2
12. State the function of the following excretory organs- a. kidneys b. ureters. 2
13. a) What are the products of neutralization reaction ? 3
b) Complete the table-

		Acid	Base
1.	Taste	?	?
2.	Reaction to litmus paper	?	?

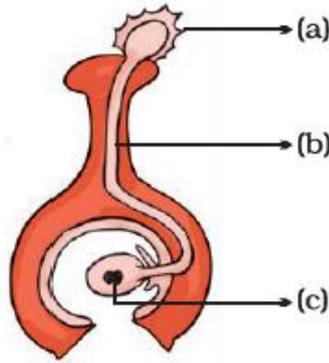
14. a) Name two electric devices each ,where the following effects of current are used- 3
 1. Heating effect
 2. Magnetic effect.

b) Draw the symbols of battery and switch in 'off' position.
15. A student took a solution of copper sulphate in a beaker. He put a clean iron nail into it and left it for about half an hour. 3

What changes will be observed by the student in the solution? Write an equation for the chemical change that takes place.
16. Which type of spherical mirror generally forms a real image but occasionally virtual image also? Draw diagram of the mirror and state its three uses. 3
17. a) What do you mean by time period of a simple pendulum ? 3
b) Show the shape of the distance time graph for the following - 3
 1. A parked truck.
 2. A car moving with a constant speed.
18. Which property of a conducting wire is utilized in making an electric fuse ? State the significance of electric fuse in electric appliances. 3
19. Describe the structure of human heart. 3

20. a) Which acid is produced in our stomach ? What happens if there is an excess of this acid in the stomach? 3
 b) What is taken to get relief from the problem ? How does it work ?

21. Identify and define the process depicted in the given figure. Also label the marked parts. 3



22. Selu takes 15 minutes to reach school from her house on a bicycle. If the bicycle has a speed of 2m/s , calculate the distance between her house and the school. 3

OR

Ramesh went to Patiala which is 350 km from Delhi. He started from Delhi at 5 a.m. and reached Patiala at 10 a.m. Find the average speed by which he travelled from Delhi to Patiala.

23. Describe the structure and working of an electric bell. Draw a labelled diagram. 5
 24.a) Explain the steps involved in the primary treatment of sewage in waste water treatment plant. 5
 b) How is sludge useful ? (2 points)
 25. a) Justify the following statements- 5
 1. Nothing goes waste in a forest. 2. Forests are called green lungs.
 b) List any four consequences of deforestation.
 26 a) Suggest an economical technique of watering plants. How is it done? 5
 b) Why are we left with small fraction of water, when about 75% of the earth's surface is covered with water ? Discuss.
 27. a) What is the structural difference between a concave and a convex lens? Support your answer with suitable diagrams. 5
 b) When Sam focused the sun rays on a paper using magnifying glass, the paper started burning. Give reason.
 28. How do yeasts reproduce by budding? Draw various stages of budding in yeast. 5

OR

- a) Name and define the method of asexual reproduction in plants like rose and bryophyllum . Also state its three advantages.
 b) Write the special features of the following seeds and their mode of dispersal.
 1. Drumstick 2.Coconut