



INDIAN SCHOOL SOHAR
TERM-1 EXAMINATION (2017-18)
SUBJECT-SCIENCE

CLASS :- VII
DATE:-17 -09-2017

MAX MARKS:-80
TIME-3 Hrs

GENERAL INSTRUCTIONS:

Question Paper Carries 27 Questions. Read the instructions carefully and answer.

1. Questions 1 to 2 are very short answer type questions carrying 1 mark each.
2. Questions 3 to 5 are short answer type questions carrying 2 marks each.
3. Questions 6 to 15 are long answer type questions carrying 3 marks each.
4. Questions 16 to 21 are very long answer type questions carrying 5 marks each.
5. Questions 22 to 27 are practical based type questions carrying 2 marks each.

1. Name the largest digestive gland in the human body. What does it secrete? 1
2. Write the changes involved in the following processes. 1
 - i) Rusting of a blade.
 - ii) melting of wax.
3. a) Represent the reaction between carbon dioxide and lime water in the form of an equation. 2
 b) What will be the colour of lime water when carbon dioxide is passed through it.
4. Draw the structure of Stomata and label any two parts 2
5. State one function of the following. (any two) 2
 - i) Presence of Hydrochloric acid in the stomach
 - ii) Pancreatic juice
 - iii) Villi.
6. a) How can you identify the given two liquids – Hydrochloric acid, and 3
 Sodium hydroxide, when you have China rose and Phenolphthalein as indicators.

S.No	Name of the solution	Effect on Phenolphthalein	Effect on China rose
1.	Hydrochloric acid		
2.	Sodium hydroxide		

- b) What is neutralization?
7. a) What type of soil is suitable for growing paddy? Give one reason. 3
 b) The Teacher conducted an experiment in the lab related to the percolation rate of soil. It was observed that loamy soil took 25minutes for 100ml of water to percolate through the soil. Calculate the rate of percolation of loamy soil. Write the formula for rate of percolation of soil.
8. Give one reason for each:- 3
 - a) Red-eyed frog has sticky pads
 - b) Polar bears have wide and large paws.
 - c) Siberian cranes migrate from Siberia to Bharatpur in Rajasthan.
9. Define the following. a) Galvanization b) Crystallization c) Chemical change. 3
10. State three differences between a clinical and a laboratory thermometer 3
11. a) Write any two elements of weather. 3
 b) Mention one adaptive feature of penguin.
 c) Name any two countries where the tropical rain forests are found.
12. a) Define a) Scouring. b) Sorting. 3
 b) Name the four stages in the life cycle of silk moth.

13. Explain the process of rumination in grass eating animals. 3
14. Define the following:-a) Selective breeding. b) Sericulture. c) Rearing. 3
15. What are lichens? Explain with an example. 3
16. Explain the process of digestion in amoeba, with a neat labeled diagram. 5
- 17.a) Draw a neat labeled diagram of soil profile. 5
 b) What is weathering?
 c) How is humus formed?
- 18.a) Differentiate between convection, conduction and radiation. Write one difference for each. 5
 b) Why should we wear woollen clothes in winter? Give two reasons.
19. What happens when iron nail is placed in Copper Sulphate solution? 5
 a) Represent with an equation.
 b) What will be the colour change of Copper Sulphate solution?
 c) Why is the colour change of the solution due to?
 d) What gets deposited on the iron nail?
20. a) Name the four factors that contribute to the development of a cyclone. 5
 b) Write any three precautions that we need to take during a cyclone?
21. a) Differentiate between sandy, clayey and loamy soils.(State two differences for each.) 5
 b) State two reasons why cotton grows in sandy soil ?
22. a) What is the use of kink in a clinical thermometer ? 2
 b) Why clinical thermometer has the range only from 35° C to 42° C
23. What happens when an iron nail is exposed to air. Represent it with an equation. 2
24. State one reason for each. 2
 a) Metallic pans have a plastic handle.
 b) Kitchen vessels are made of metals.
25. Observe the figure and answer the following questions:- 2
 a) What makes the balloon inflated when the boiling tube is placed in hot water?
 b) Why is the balloon deflated when the boiling tube is placed in cold water ?



Fig. 8.6 The shape of the balloon in hot and cold water

26. Classify the changes involved in the following processes:- 2
 a) Burning of a candle. b) Breaking a plastic ruler.
 c) Freezing of water into ice . d) Ripening of fruits.
27. A person suffering from acidity takes antacid tablets. Give two reasons. 2

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