

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT-1
SUBJECT:-SCIENCE

No of pgs-2

CLASS:-VII
DATE:- 15-9-14

MARKS:-60
TIME:- 2 HRS

GENERAL INSTRUCTIONS:

This Question Paper Carries 32 Questions. Read the instructions carefully and answer.

- 1. Questions 1 to 10 are Multiple Choice Questions carrying 1 mark each.**
- 2. Questions 11 to 18 are Very Short Answer Type Questions carrying 1 mark each.**
- 3. Questions 19 to 24 are Short Answer Type Questions carrying 2 marks each.**
- 4. Questions 25 to 29 are Long Answer Type Questions carrying 3 marks each.**
- 5. Questions 30 to 32 are Very Long Answer Type Questions carrying 5 marks each.**

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1. Mistletoe is an example of:
a) Autotroph b) complete parasite c) partial parasite d) saprotroph
 2. The organ which absorbs water and salts from undigested food
a) Pancreas b) large intestine c) small intestine d) stomach.
 3. Careful and delicate unwinding of silk fiber from the cocoon is
a) Scouring b) reeling c) sorting d) carding.
 4. The freezing point of water on the Fahrenheit scale is
a) 0°F b) 212°F c) 100°F d) 32°F.
 5. The chemical formula of ammonia is
a) N₃H b) NH₂ c) HN₃ d) NH₃.
 6. The king of acid is
a) Nitric acid b) sulphuric acid c) hydrochloric acid d) ascorbic acid.
 7. A chemical reaction in which heat is released is called
a) endothermic b) decomposition c) exothermic d) neutralization.
 8. Which of these animals possess blubber under its skin
a) Toucan b) lion-tailed macaque c) elephant d) polar bear.
 9. Muscle cramps are caused due to accumulation of
a) Formic acid b) protein c) fat d) lactic acid.
 10. If garden soil is replaced by sandy soil, the percolation rate will be
a) Fast b) very slow c) very fast d) slow.
 11. Name the product of digestion of: a) fats b) proteins.
 12. Write the latin name and symbol of: a) sodium b) silver.
 13. Convert 95°F to °C.
 14. Define: a) carding b) shearing.
 15. Why cut apples develop a brown colour when they are exposed to air?
 16. Name the four ways to conserve soil.
 17. Mention the two ways by which the thick white fur of polar bears help them.
 18. Write the breathing organs of the following: a) Amoeba b) cockroach.
 19. Give reason:
a) Penguins often huddle together.
b) Polar bears keep their nostrils closed under water.

20. Why does a clinical thermometer have a constriction in the glass tube just above the mercury bulb? (write 2 points)
21. Write the chemical formula of the following: (criss-cross method using valency method)
- a) Sodium chloride b) calcium carbonate.
22. During summer Ramu's mother prefers to keep water in earthen pot. Justify.
23. Name the following:-
- a) Largest digestive gland b) the strongest outer part of the human tooth
- c) enzyme present in saliva d) the process of intake of food.
24. Name the four factors that determine the quality of silk fabrics.
25. a) State the four properties of soil.
b) Which soil is best suited for growing crops? Why?
26. a) Name the SI unit of: i. Heat ii. Temperature.
b) Rohit took two identical steel utensils, the outer surface of one was painted black and the other was painted with shiny surface. He poured equal amount of water and left it in the midday sun for an hour. What did Rohit observe in the two utensils? Give reason.
27. a) How is a chemical symbol different from a chemical formula? (1point)
b) Write the chemical formula of: i. sulphuric acid ii. baking soda.
28. a) Name the following:
- i. Plants from which the parasites derive nutrition
- ii. Water conducting tissue in plants.
- iii. The cells that control the opening and closing of stomata.
- iv. The gas released during photosynthesis.
- b) What is Rhizobium? State its function.
29. a) Define acid.
b) Write the chemical name of the following. Write one use of each.
- i. vinegar ii. caustic soda.
30. Explain the mechanism of breathing in humans with a neat labeled diagram.
31. a) What is displacement reaction? Give an example in an equation form.
b) Identify which of the changes given below are chemical or physical change. Give reasons for your answer.
- i. Tearing a paper ii. A raw egg is cracked open iii. A raw egg is cooked.
32. a) Complete the following:
- i. Bases which are soluble in water are called _____
- ii. Blue litmus turns red when it reacts with _____
- iii. Substance used for testing acid and base is _____
- iv. Acid present in grapes is _____.
- b) Nilu was stung by a wasp, she was in terrible pain, immediately her friend applied some solution on her hand.
- i. What was the secretion the wasp injected on her hand?
- ii. What was the solution her friend applied on her hand? Why?
- iii. What value did her friend show towards Nilu?

***** THE END*****