

First Term Summative Assessment - 2013-2014

Sample Question Paper

Science

Class 7

Max Marks: 45

Time: 2 hrs.

General Instructions:

All questions are compulsory

Questions 1 to 5 are multiple choice questions and carry 1 mark each. Choose the appropriate option and write the answer in the answer sheet.

Question 6 to 10 carry 1 mark each and must be answered in 1 or 2 sentences.

Questions 11 to 19 carry 2 marks each and must be answered in 2 or 3 sentences.

Questions 20 to 23 carry 3 marks each and must be answered in 5 or 6 sentences each.

Question 24 carries 5 marks and must be answered in 7 or 8 sentences each.

1. When two organisms live together for mutual benefit; the relationship is known as
 - (a) Autotrophic.
 - (b) Heterotrophic.
 - (c) Symbiosis.
 - (d) Parasitism.
2. In which of the following organs will the digestion of starch take place?
 - (a) Mouth.
 - (b) Small intestine.
 - (c) Stomach.
 - (d) Large intestine.
3. Raghu took out a torn shirt. He pulled out a few strands called 'X' from his shirt. When he untwisted them, he found very thin strands called 'Y'. Identify 'X' and 'Y'.
 - (a) X-yarn, Y-fibre
 - (b) X-fibre, Y-yarn
 - (c) X-fabric, Y-yarn
 - (d) X-fleece, Y-yarn
4. H_2 : Hydrogen :: ----- : Nitrogen
 - (a) N
 - (b) N_2
 - (c) N_2
 - (d) n_2

5. A tight metal lid on a jam jar loosens when it is held upside down in hot water because the hot water causes the
 - (a) Glass to contract.
 - (b) Metal lid to contract.
 - (c) Glass jar to expand more than the metal lid.
 - (d) Metal lid to expand more than the glass jar.
6. Define a combination reaction.
7. Define acids.
8. Define weather.
9. State the lower and upper standard points in SI in a clinical thermometer.
10. Name the pigment that absorbs sunlight.
11. Define photosynthesis.
12. Give four difference between the dentition of herbivores and carnivores.
13. Give two uses of hydrochloric acid.
14. Mention all the effects of heat.
15. What is variable valency? Give two examples.
16. Define neutralization reaction. Give one example.
17. List and explain two factors that affect photosynthesis.
18. A thick glass tumbler cracks when hot water is poured in it. Explain.
19. How do the density of a solid and a liquid vary with increase in temperature? Explain.
20. Draw a neat labelled diagram of human digestive system.
21. A metallic carbonate 'X' reacts with dilute hydrochloric acid to give table salt, a gas 'Y' and a liquid 'Z'.
 - (a) Identify X, Y and Z.
 - (b) Give the balanced chemical equation for the reaction.
 - (c) Give one chemical test to identify 'Z'.

22. Differentiate between physical and chemical changes.
23. Explain the formation of cyclone.
24. With the help of an experiment show that chemicals digest food.