

**INDIAN SCHOOL SOHAR**  
**SUMMATIVE ASSESSMENT- I**  
**SCIENCE**

No. of printed pages - 2

**CLASS -VIII**  
**25 .9.14**

**TIME : - 2 HRS**  
**MM : - 60**

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**GENERAL INSTRUCTIONS :-**

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 short answer type questions carrying 3 marks each.
5. Questions 30 to 32 are long answer type questions carrying 5 marks each.

**Q. Choose the most appropriate answer.**

1. The best quality of coal is  
a) peat                      b) lignite                      c) anthracite                      d) bituminous
2. A tadpole develops into an adult frog by the process of  
a) fertilization                      b) budding                      c) binary fission                      d) metamorphosis
3. Which of the following element will form basic oxide?  
a) sulphur                      b) phosphorus                      c) carbon                      d) calcium
4. Fractional distillation separates the fractions of petroleum using their different  
a) freezing points                      b) boiling points                      c) melting points                      d) all of these
5. Select the fraction of petroleum used for dry cleaning.  
a) petrol                      b) fuel oil                      c) diesel                      d) kerosene
6. Metal A dipped in a salt of metal B, displaces B from the solution. This shows that  
a) A is more reactive than B                      b) B is more reactive than A  
c) A & B are equally reactive                      d) A & B are unreactive
7. A cell has defect that results in the loss of its ability to control the passage of substances in & out of the cell. In which organelle, is the defect most likely to be present?  
a) vacuole                      b) mitochondria                      c) cell membrane                      d) lysosomes
8. An example of thermosetting plastic is  
a) melamine                      b) PVC                      c) polythene                      d) rayon
9. The vector for dengue virus is  
a) Aedes mosquito                      b) amoeba                      c) Anopheles mosquito                      d) housefly
10. Curdling of milk is brought about by ----- shaped bacteria.  
a) spherical                      b) rod                      c) spiral                      d) comma

- 11 .Why is LPG considered a better fuel than coal for cooking purpose? ( 2 important points)
- 12 .What information is given in the Red Data Book?
13. Can a wire be drawn out of coal? Why?
14. What is the main difference between bituminous & bitumen? ( 1 point)
15. Name & state the function of 'units of inheritance'.
16. In a soda-acid fire extinguisher ----- reacts with ----- to give out carbondioxide.
17. Name- a) The synthetic fiber used in parachutes. b) plastic used for making plumbing pipes.
18. State the physical state of metals & non-metals at room temperature.
  
19. What are the advantages of ploughing the soil before sowing seeds?( 2 points)
20. Differentiate between manure & fertilizers. ( 2 points)
21. List the characteristics of an ideal fuel. ( 4 points)
22. Mention the main difference between a zygote & a foetus.
23. a) Which property of carbondioxide is applied in extinguishing fire?  
b)Name the type of combustion that will occur if a fuel has ignition temperature lower than the average room temperature.
24. How can we as responsible citizens of our country help to protect our environment from plastic related pollution? ( 2 points)
  
25. State the function of the following cell organelles -  
a) ribosomes                      b) chloroplast                      c) mitochondria
- 26 .Explain any three important threats to biodiversity.
27. Discuss any three useful aspects of microorganisms.
28. a) Define endemic species. Give 1 example.  
b) How are Biosphere Reserves different from National parks?
29. Draw neat & labelled diagram of a plant cell.
  
30. Distinguish between the features of three distinct zones of a candle flame.(2 points each)  
Draw labeled diagram to support your answer.
31. a) Compare the reactivity of metals & non-metals with dil. acid by taking one example each in the form of chemical equations.  
b) Give reasons- 1. Sodium & Potassium are stored in kerosene.  
2. Graphite is used to make electrodes.
32. Draw neat diagram of male or female reproductive system . Label any three important parts & write their functions.

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