

## Summative Assessment – Semester II

### Chemistry

Class: 8

Max Mks: 45

Time: 2 hrs

Chapters included are Transformation of Substances and Metals and Non-Metals

**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 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.

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

- The property due to which gases and liquids accumulate on the outer surface of solids is
  - Absorption
  - Adsorption
  - Adhesion
  - Cohesion
- The electrolyte used in silver plating an article is
  - Silver nitrate
  - Silver sulphate
  - Silver cyanide
  - Sodium silver cyanide
- The property due to which a metal can be beaten into sheets is called
  - Ductility
  - Tenacity
  - Malleability
  - Density
- An atom or a group of atoms is said to be oxidizing agent if it
  - Loses electrons
  - Gains electrons
  - Neither loses nor gains electrons
  - None of these

5. The ore of iron is
  - (a) Bauxite
  - (b) Malachite
  - (c) Cuprite
  - (d) Haematite
  
6. Metals form \_\_\_\_\_, by losing electrons from their valence shells.
  
7. Define distillation.
  
8. Name the reaction that occurs between magnesium and oxygen. The chemical reaction between hydrogen and chlorine is a chemical \_\_\_\_\_ reaction.
  
9. Non-metals do not react with dilute \_\_\_\_\_ acids.
  
10. Name a non-metal which is a good conductor of heat and electricity.
  
11. Give the chemical names and the chemical formulae of the following metallic ores
  - (a) Malachite
  - (b) Common salt
  
12. State two important uses of sulphur.
  
13. Define the term catalyst.
  
14. Explain the term chemical decomposition with one example.
  
15. What do you understand by the term exothermic reaction?
  
16. Write correct words in front of the given statement
  - (a) A process of separation of two miscible liquids. \_\_\_\_\_.
  - (b) A process of converting sulphide ore into oxide ore. \_\_\_\_\_.
  
17. Statements given below are incorrect. Write correct statements.
  - (a) Cast iron is used for making trunks.
  - (b) Red oxide on heating strongly decomposes to form lead dioxide and oxygen.

18. (i) The ores which are generally subjected to roasting are:

- (a) Carbonate ores,
- (b) Oxide ores,
- (c) Sulphide ores,
- (d) Chloride ores.

(ii) Zinc blende is chemically \_\_\_\_\_.

19. Define the terms malleability and ductility.

20. (i) What is an alloy? Why are alloys made?

(ii) Write any two uses of sulphur.

21. Explain the following terms with one example

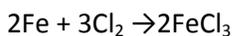
- (i) Chemical displacement.
- (ii) Neutralization reaction.

22. Calculate the amount of calcium oxide formed from 2g of calcium metal.

23. What do you understand by the following terms?

- (a) Ore,
- (b) Concentration of ore,
- (c) Reduction of ore

24. 7.1g of chlorine reacts completely with iron as shown under:



Calculate (i) wt. of iron required

(ii) wt. of ferric chloride formed.