

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 oxide of sodium is of:
 - Acidic nature
 - Neutral nature
 - Amphoteric nature
 - Basic nature
- Which one is not a biochemical catalyst:
 - Chlorophyll
 - Pepsin
 - Manganese dioxide
 - Amylase
- The electrolyte used in silver plating an article is:
 - Silver nitrate
 - Silver sulphate
 - Silver cyanide
 - Sodium silver cyanide
- The electrolyte used in the electro-refining of copper is:
 - Copper nitrate
 - Copper chloride
 - Copper sulphate
 - Copper acetate

5. Metals are more active than hydrogen, react with dilute mineral acid and displace:
 - (a) Hydrogen gas
 - (b) Nitrogen gas
 - (c) Carbon monoxide gas
 - (d) Oxygen gas
6. Brass is an alloy of _____ and zinc.
7. Name a combustible non-metal used for cutting and welding. _____.
8. When sodium atom loses one electron, the _____ of sodium takes place.
9. Define endothermic reaction.
10. Explain the term oxidation.
11. State two most important uses of lead and copper.
12. Write correct words in front of the following statements.
 - (i) A process of separation of two miscible liquids.
 - (ii) An ion formed by the gain of electrons in the valence shell of an atom.
13. Define the terms anode and cathode.
14. Name three biological catalysts found in the human body.
15. Statements given below are incorrect. Write the correct statements.
 - (i) Lead metal is extensively used for making dry cells.
 - (ii) Amylase present in the saliva helps in the decomposition of proteins.
16. Write and describe the reaction that happens at the cathode region during the electro refining of copper.
17. Write any two uses of zinc.
18. Give one example for the following chemical reactions
 - (i) Change of color
 - (ii) Formation of a precipitate.
19. By giving two examples explain the term reducing agent.
20. What are (a) positive catalysts (b) negative catalysts? Support your answer with one example each.
21. Name two noble metals and give two uses of each metal named by you.
22. Name the principal metal, the composition and two uses of manganese.
23. Calculate the amount of magnesium oxide formed and carbon dioxide liberated when 4.2 g of magnesium carbonate decomposes on strong heating.

24. In the equations given below, state which reactions will proceed and which reactions will not proceed. Give a reason for your answer.

