

Class: 10

Subject: Science – Set 1

Maximum Marks: 50

Time Duration: 2 hrs

**General Instructions:**

**Read the questions carefully before answering:**

**Questions 1 to 10 carry 1 mark each. Answer in 1 or 2 sentences**

**Questions 11 to 20 carry 2 marks each. Answer in 3 or 4 sentences**

**Questions 21 to 25 carry 3 marks each. Answer in 5 or 6 sentences**

**Questions 26 carry 5 marks each.**

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Q1. Single displacement reaction involves \_\_\_\_\_?

- a) Heating
- b) Reduction
- c) Oxidation
- d) Redox

Q2. Which of the following substance has oxalic acid?

- a) Vinegar
- b) Tomato
- c) Curd
- d) Tamarind

Q3. Bauxite is an ore of which metal?

- a) Iron
- b) Silver
- c) Aluminium
- d) Copper

Q4. Which of the following is an unsaturated hydrocarbon?

- a) Propane
- b) Decane
- c) Butane
- d) Acetylene

Q5. Which of the following is a Dobereiner's triad?

- a) H<sub>2</sub>, N<sub>2</sub>, O<sub>2</sub>
- b) Li, Na, K
- c) Ne, Cr, Na
- d) None of the above

Q6. The xylem in plants is responsible for \_\_\_\_\_.

- a) Transporting oxygen
- b) Transporting food
- c) Transporting products of photosynthesis
- d) Transporting water and minerals

Q7. Which of the following is a plant hormone?

- a) Oestrogen
- b) Thyroxin
- c) Cytokinin
- d) Insulin

Q8. The embryo gets nutrition from the mother's blood with the help of a special tissue called \_\_\_\_\_?

- a) Oviduct
- b) Placenta
- c) Cervix
- d) Zygote

Q9. Where is the bile produced?

- a) Liver
- b) Kidney
- c) Gall bladder
- d) Blood

Q10. Which of the following non-metal is a good conductor of electricity?

- a) Bromine
- b) Hydrogen
- c) Carbon
- d) Graphite

Q11. What are the advantages of the periodic table?

Q12. Why should curd and other sour substances not be kept in brass and copper vessels?

Q13. Explain how do living things get their food?

Q14. What do you mean by rancidity and corrosion?

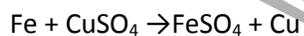
Q15. Name the hormones secreted at puberty in males and females?

Q16. Define anodizing process. Which metal is used for this process?

Q17. What is the importance of pH in everyday life?

Q18. Write the functions of the enzyme present in human saliva?

Q19. A redox reaction takes place, when iron nail is dipped in a solution of copper sulphate.



- a) Name the substance which is reduced.
- b) Name the substance which is oxidized.

Q20. Explain the versatile nature of carbon?

Q21. What is the difference between autotrophic and heterotrophic nutrition?

Q22. Distinguish between saturated and unsaturated carbon compounds?

Q23. What is the importance of DNA copying in reproduction?

Q24. Describe the Newlands' Law of Octaves?

Q25. How are the animal movements different from that of plant movements?

Q26. Discuss the properties of Ionic compounds?

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