

**Note :** This is only sample, actual file contain 2014 to 2024 chapter wise and year wise arranged PYQs. These arranged PYQs will help you to understand exam pattern and give you the strong practice material.

**Chapter 5: Life Processes**

Q1. (a) Mention any two components of blood. (b) Trace the movement of oxygenated blood in the body. (c) Write the function of valves present in between atria and ventricles. (d) Write one structural difference between the composition of artery and veins. **(2018)**

Q2. How is  $O_2$  and  $CO_2$  transported in human beings? **(2019)**

Q3. Complete the following flow chart as per the given instructions regarding Gastric Glands Present in the wall of Stomach (Secretions: a, b, c; Functions: d, e, f). **(2020)**

Q4. Assertion (A): Blood clotting prevents excessive loss of blood. Reason (R): Blood clotting is due to blood plasma and white blood cells present in the blood. **(2023)**

**Chapter 7: How do Organisms Reproduce**

Q1. Name the life process of an organism that helps in the growth of its population. **(2015)**

Q2. Name the part of Bryophyllum where the buds are produced for vegetative propagation. **(2016)**

Q3. Explain with the help of a labelled diagram, the process of reproduction in Hydra by budding. Name the cells used for reproduction in this process. **(2024)**

**Chemistry****Chapter 1: Chemical Reactions and Equations**

Q1. When potassium iodide solution is added to a solution of lead (II) nitrate in a test tube, a precipitate is formed. (a) What is the colour of this precipitate? Name the compound precipitated. (b) Write the balanced chemical equation for this reaction. (c) List two types of reactions in which this reaction can be placed. **(2019)**

Q2. In the electrolysis of water: (a) Name the gases liberated at anode and cathode. (b) Why is it that the volume of gas collected on one electrode is two times that on the other electrode? (c) What would happen if dil.  $H_2SO_4$  is not added to water? **(2020)**

Q3. (a) Define a double displacement reaction. (b) Write the chemical equation of a double displacement reaction which is also a (i) Neutralization reaction and (ii) Precipitation reaction. Give justification for your answer. **(2023)**

**Chapter 4: Carbon and its Compounds**

Q1. Write the number of covalent bonds in the molecule of ethane. **(2015)**

Q2. What is an oxidising agent? What happens when an oxidising agent is added to propanol? Explain with the help of a chemical equation. **(2016)**

Q3. What is methane? Draw its electron dot structure. Name the type of bonds formed in this compound. Why are such compounds: (i) poor conductors of electricity? and (ii) have low melting and boiling points? What happens when this compound burns in oxygen? **(2019)**