

Important Questions
Bio Inorganic

B.Sc Final year

- Q1. Discuss Role of Ca^{2+} in biological system
- Q2. State fundamental requirement of biological nitrogen fixation.
- Q3. How are the phenomenon of oxidation and oxygenation of H_b and M_b leads to the phenomenon of co-operativity
- Q4. What are the essential conditions that a metal ion is coordinated in porphyrin ligand.
- Q5. What are the criteria for an essential elements?
- Q6. What are metalloporphyrins and mention their importance.
- Q7. Discuss the function of Hemoglobin.
- Q8. What is Bohr's Effect
- Q9. What is importance of Na-K Pump.
- Q10. Give the physiology of myoglobin
- Q11. Discuss the vital roles of Na^+ and K^+ ions, in biological system
- Q12. What do you mean by Nitrogen fixation?
- Q13. Discuss biological role of Fe^{2+} ion.
- Q14. Give biological role of alkaline earth metal.
- Q15. Write note on cooperative effect.
- Q16. What are cooperativity in Haemoglobin? How is it conveyed.
- Q17. What are similarity and difference of Haemoglobin and myoglobin and give their function

- Q.18 What are essential elements used in biological process.
- Q.19 Discuss the role of Mg^{2+} in biological system
- Q.20 What is the criteria for an essential element
- Q.21 The reduction of N_2 to NH_3 is thermodynamically favourable. In biological system, still ATP required for energy requirement. Comment
- Q.22 What are chlorophyll?
- Q.23 What are free living and symbiotic bacteria?
- Q.24 Name 2 metalloproteins which comprise nitrogenous
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