

20) What is the principle of centrifugation?

- a) Sedimentation principle**
- b) Filtration principle**
- c) Evaporation principle**
- d) Size reduction principle**

Q 2) Long Answer

- 1) Define centrifugation, Describe types of centrifugation
- 2) Define chromatography and describe in brief gel filtration method
- 3) Write principle, methodology and application of Ion exchange chromatography
- 4) Write principle of electrophoresis and describe Agarose gel electrophoresis?
- 5) Write a note on tracer technique
- 6) Explain applications of radioisotope in biological sciences

Q 3) Short Answer

- 1) Write note on cell disruption methods
- 2) Salt precipitation
- 3) Affinity chromatography
- 4) High performance Liquid chromatography (HPLC)
- 5) SDS-PAGE electrophoresis
- 6) Pulsed field gel electrophoresis
- 7) Application of radioisotopes in biological system
- 8) Isoelectric focusing
- 9) Organic solvent precipitation
- 10) Gas liquid chromatography (GLC)
- 11) Types of centrifuge

