

BIOCHEMISTRY

PAPER — I

**BIO-ORGANIC AND BIOPHYSICAL CHEMISTRY,
BIOCHEMICAL TECHNIQUES**

Q.P. CODE: 7315

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Answer all the questions

10 X 10 = 100 Marks

1. Write in detail about the isolation and purification of subcellular organelles, their functions and biochemical markers.
2. Describe the principle, procedure and uses of molecular biology techniques in Biochemistry.
3. Radio immuno assay.
4. Applications of bioinformatics in medicine.
5. Nanotechnology in research.
6. Flame photometry.
7. Acute phase proteins.
8. Ultracentrifugation techniques.
9. Write in detail detection and measurement of stable and radioactive isotopes and add a note on applications.
10. Describe the structure and functions of mucopolysaccharides.