

148-NR

M.D. DEGREE EXAMINATION – APRIL, 2013

BIOCHEMISTRY

Paper-I: Physical chemistry and organic chemistry.

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

---

WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Principles and applications of electrophoresis and Immunofixation electrophoresis.
2. Explain various protein conformations and methods to elucidate the same.
3. Structures and functions of heteropolysaccharides.
4. Principles and application of PCR and RT-PCR
5. Principle and application of Nanotechnology in medicine and diagnostics.
6. ELISA
7. Methods of detection of organic and amino acids in urine.
8. Chemiluminescence
9. Body buffer systems in health and disease
10. Blotting techniques.

---