

148-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2013

BIOCHEMISTRY

Paper-I: Physical chemistry and organic chemistry.

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Classify electrophoresis and write its four applications.
2. Explain quality control programme in laboratory.
3. Two applications each of PSA, HCG, AFP, CEA and CA-124.
4. Difference between Molar solution and Molal solution. Write how they are prepared in the laboratory giving one example each.
5. Physiological important peptides.
6. Centrifugal analyser.
7. Describe the ATP synthesis in mitochondria.
8. Cytochrome P450 and its importance.
9. Diagnostic isoenzymes
10. What is PCR? Give two applications of PCR.

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