

148-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

BIOCHEMISTRY

Paper-I: Physical chemistry and organic chemistry.

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Name various blotting techniques and their significance.
- 2) What is ELISA? Write the principles of ELISA and two clinical applications in clinical diagnosis.
- 3) What are Coenzymes? Describe the role of Coenzymes in enzyme action.
- 4) What are Phospholipids? Describe the classification and functions of Phospholipids.
- 5) Colloids and their properties.
- 6) Describe PCR in HIV antigen testing.
- 7) DNA library.
- 8) Applications of Recombinant DNA technology.
- 9) What are saturated solution, normal solution and percent solution? How are they prepared in laboratory?
- 10) Classify Chromatography and explain HPLC.

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