

148-NR

M.D. DEGREE EXAMINATION – APRIL, 2012

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. Describe the role of enzymes in analysis and manipulation of DNA.
2. Write an account of Spectrophotometry and Nephelometry.
3. Bisubstrate enzyme reactions.
4. Receptors with intrinsic protein kinase activity.
5. Agarose gel electrophoresis of DNA.
6. Describe the methods of detecting and quantifying radioactivity.
7. Describe the method of plotting Levey Jennings chart. Mention its applications.
8. Biosensors.
9. Blood buffers.
10. Active transport.

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