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(NOVEMBER)

## Biochemistry – II

Full Marks: 80

Time: 3 hours

*The figures in the margin indicate full marks for the questions  
Answer all questions*

**A. Write briefly about following terms:**

(2X10=20)

- 1) Isoelectric pH.
- 2) Deamination.
- 3) Proteinuria.
- 4) Osmosis and diffusion.
- 5) Mucopolysaccharides.
- 6) Alkaptonuria.
- 7) Essential fatty acids.
- 8) Ketoacidosis.
- 9) Enantiomers.
- 10) Glycolipids.

**B. Write short note on any FOUR of the following:**

(5X4=20)

- 1) Prostaglandin.
- 2) Lipoproteins.
- 3) Glycogen storage disease
- 4) Glycogenolysis.
- 5) Diabetes mellitus

**C. Answer any FOUR of the following questions:**

(10X4=40)

- 1) Describe hexose monophosphate shunt pathway and add a note on its significance. (8+2)
- 2) Explain different types of RNA. And write the inborn errors of protein and fatty acid metabolism. (6+4)
- 3) Write the structural classification of protein and discuss about denaturation of protein structure. (6+4)
- 4) Explain the biosynthesis of fatty acids. And write its importance. (8+2)
- 5) Write the function of nucleic acids. Explain the metabolic disorder of tyrosine. (3+7)

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(SS/BMLT-II/BCM-II/11-23)

Turn over