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Total No. of Printed Pages: [01]

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B. Sc. Dialysis Technology (Semester – 1st)
GENERAL BIOCHEMISTRY & NUTRITION

Subject Code: BDLTS1-103

Paper ID: [21132503]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Disaccharides of biological importance.
- b. Denaturation of proteins.
- c. Essential fatty acids.
- d. Classification of Enzymes
- e. Glycosuria.
- f. Transamination
- g. Ketone bodies
- h. Fluorosis
- i. PH meter
- j. Balanced diet

Section – B

(5 marks each)

- Q2.** Enumerate the components of liquid profile & their importance.
- Q3.** Discuss Count, its types & purine catabolism associated with it.
- Q4.** Describe the sources, RDA & functions of Calcium.
- Q5.** Discuss various types of Energy Imbalances.
- Q6.** Define HMP shunt pathway & significance of it.

Section – C

(10 marks each)

- Q7. Discuss in details on various Pre Examination skills-collection, preservation, transportation & separation of biological specimens.
- Q8. Outline the steps of Beta oxidation of fatty, its energetics. Various types of ketone bodies & their significance.
- Q9. Describe Isoenzymes & their biological significance with suitable example in details.