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(April)

Bachelor of Medical Laboratory Technology (BMLT) 2nd Year

Biochemistry – II

Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

1. Write briefly about following terms: (2 X 10 = 20)

- a) Zwitter ion
 - b) Transamination
 - c) Amino acid.
 - d) Diffusion
 - e) Heteroglycan
 - f) Nucleotides
 - g) Buffer, pH
 - h) Ketone bodies.
 - i) Atherosclerosis
 - j) Lipoproteins
2. Write short notes on (any four): (5 X 4 = 20)
- a) TCA cycle.
 - b) Urea cycle.
 - c) Glycogen storage disease

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3. Descriptive questions (any four): (10 X 4=40)

- a) Write detailed note on β -oxidation of fatty acids and its energetics. (8+2=10)
- b) Explain different types of RNA. And write the inborn errors of nucleic acid metabolism. (6+4=10)
- c) Write the structural classification of protein and discuss about denaturation of protein structure. (6+4=10)
- d) Explain the biosynthesis of cholesterol. And write its importance. (8+2=10)
- e) Write the function of carbohydrates. Explain the steps involved in glycolysis. (3+7=10)

Turn over -