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Total No. of Printed Pages: 1

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B.Sc. MLS (Semester – 2nd)
BIOCHEMICAL METABOLISM
Subject Code: BMLS1211
Paper ID: 130508

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) Triglycerides
- b) Ketone bodies
- c) Galactose tolerance test
- d) Lipoproteins
- e) Non-competitive inhibition
- f) Essential fatty acids
- g) Allosteric modulation
- h) Atherosclerosis
- i) K_m value
- j) Oxidative phosphorylation

Section – B

(5 marks each)

Q2. Glycogen storage diseases

Q3. Regulatory role of Fatty acid synthase

Q4. Transamination and its significance

Q5. Fat soluble vitamins

Q6. Hexose Monophosphate shunt

Section – C

(10 marks each)

Q7. Classify enzymes. Discuss their applications and factors affecting enzyme activity.

Q8. Describe TCA cycle along with its regulation.

Q9. Write a detailed note on lipid peroxidation.