Roll No. | | | | | | | | | | | | |

Total No. of Pages : 02

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B.Sc. (MLS) (2018 Batch) (Sem.–2)

# BIOCHEMICAL METABOLISM

Subject Code : BMLS-202-18

M.Code : 75898

Time : 3 Hrs. Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

## SECTION-A

**1) Write briefly :**

a) Discuss Cori cycle.

b) What do you mean by intron?

c) How two nucleotides are joined together?

d) What are simple and conjugated proteins?

e) What is feedback inhibition of enzymes?

f) How lysosomes degrade the biological waste?

g) What is a peptide bond?

h) What is transamination?

i) What is an anticodon?

j) What are different sites present on a ribosome?

## SECTION-B

2) Write a detailed note on urea cycle.

3) Enumerate the importance of omega and alpha fatty acid oxidation.

4) Discuss secondary structure of proteins.

5) Discuss HMP pathway and give its importance.

6) Discuss how various reducing equivalents are converted into ATP.

## SECTION-C

7) What are ketone bodies? Mention the various steps involved along with their enzymes and their significance.

8) Discuss various steps involved in the digestion and absorption of fats.

9) Explain mechanism of action of enzymes. What are various factors affecting enzyme action?



**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**