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Total No. of Pages : 02

Total No. of Questions : 18

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

Write briefly :

- 1) Why cellulose is not utilized by human body.
- 2) What is substrate level phosphorylation?
- 3) What is Gaucher's disease?
- 4) What is isoelectric point of a protein?
- 5) What is feedback inhibition?
- 6) What are essential fatty acids?
- 7) What is renal glycosuria?
- 8) Can muscle glycogen be the source of blood glucose?
- 9) What are various types of RNA?
- 10) What are constitutive enzymes?

SECTION-B

- 11) What is Cori cycle? Discuss its significance.
- 12) What are lipoproteins? Classify them and give their functions.
- 13) Discuss various types of enzyme inhibitions?
- 14) Write a short note on the digestion and absorption of fats.
- 15) What are nucleotides? How these are used to build a nucleic acid.

SECTION-C

- 16) Discuss various theories about mechanism of enzyme action. Give factors affecting enzyme action.
- 17) Explain in detail the importance and classification of proteins. Discuss various disorders of protein metabolism.
- 18) What is pentose phosphate pathway? Discuss the process and its clinical relevance.

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.