Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 09

B.Sc. (MLS) (Sem.–2)

BIOCHEMICAL METABOLISM

Subject Code : BMLS-202-18

M.Code : 75898

Date of Examination: 17-12-2022

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) What is an exon?

b) What do you mean by translation?

c) What do you mean by denaturation of proteins?

d) What is function of nucleus in the cell?

e) How lysosomes degrade the biological waste?

f) What are allosteric enzymes?

g) "*Mitochondria is power house of cell.*" Discuss.

h) What is oxidative deamination?

i) What is competitive inhibition?

j) What is feedback inhibition of enzymes?

SECTION-B

2. Explain the structure and functions of different type of RNAs.

3. What is galactosemia? Explain various factors which cause galactosemia.

4. Define isoenzymes and explain their structure, organ distribution and diagnostic importance.

5. Give chemistry and functions of cholesterol.

6. Define polysaccharides. Classify them and write their importance.

SECTION-C

7. What is glycolysis and what are the enzymes involved in this process? Discuss its importance.

8. What is lipolysis? Explain in detail the process of P-oxidation with the help of an example.

9. Explain the structure of DNA and discuss process of transcription.

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.