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Total No. of Pages : 02

Total No. of Questions : 18

B.Sc. (BT) (2018 & Onwards) (Sem.-1)

BIOCHEMISTRY AND METABOLISM

Subject Code : BSBT-103-18

M.Code : 75326

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

Define :

- Q1. Disaccharides.
- Q2. Cerebrosides
- Q3. Purines and pyrimidines
- Q4. Apoenzyme
- Q5. Metalloenzymes
- Q6. Gluconeogenesis
- Q7. Activation Energy
- Q8. Secondary structure
- Q9. Fibrous proteins
- Q10. Essential fatty Acids

SECTION-B

- Q11. Write properties of Polysaccharides.
- Q12. List properties of Fatty acids.
- Q13. Discuss the concept of Activation energy and Transition state.
- Q14. Write a note on Glycoproteins.
- Q15. Discuss the process of Glycogenolysis.

SECTION-C

- Q16. Elaborate on Glycolysis and fate of Pyruvate.
- Q17. What is β -Oxidation? Discuss Steps involved.
- Q18. How are Enzymes Classified? Discuss.

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.