

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2018 Batch) (Sem.-1)

BIOCHEMISTRY

Subject Code : BSBT-103-18

Paper ID : [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**Q1. Define :**

- a) Heteropolysaccharides
- b) Sphingophospholipids
- c) Fibrous proteins
- d) Coenzymes
- e) Gluconeogenesis
- f) Metalloenzymes
- g) Essential fatty acids
- h) Pyrimidines
- i) Activation energy
- j) Specific activity.

SECTION-B

- Q2. Write a note on Polysaccharides.
- Q3. List properties of Fatty acids.
- Q4. How are Enzymes classified?
- Q5. What is β - Oxidation? Discuss.
- Q6. Write a note on Glycoproteins.

SECTION-C

- Q7. Discuss fate of Pyruvate under Aerobic and anaerobic conditions.
- Q8. What is Oxidative Phosphorylation? Discuss its significance and the steps involved.
- Q9. Discuss steps and regulation of Glycolysis.

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