

Roll No.

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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.