

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

**CLASS: BE
BRANCH: BIOTECHNOLOGY**

**SEMESTER: III
SESSION : MO/2019**

SUBJECT : BE204 BIOCHEMISTRY AND ENZYME TECHNOLOGY

TIME: 2:00 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
2. Candidates may attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.

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- Q1 (a) Mention the difference between DNA and RNA. [2]
Q1 (b) Evaluate the role of different types of carbohydrates. [3]
- Q2 (a) Reveal the regulatory enzymes of glycolysis. [2]
Q2 (b) Comments on different levels of protein organizations. [3]
- Q3 (a) Describe the significance of essential fatty acids. [2]
Q3 (b) Analyze the importance of different components present in Electron Transport Chain. [3]
- Q4 (a) Describe the structures of sucrose and maltose. [2]
Q4 (b) Illustrate the mechanism of enzyme action. [3]
- Q5 (a) Explain about derived lipids with examples. [2]
Q5 (b) State the types of transport phenomenon across the biological membrane. [3]

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