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Roll No.

3rd_ SEMESTER

B.Tech. (BIOTECH)

Supplementary Examination

Feb-2019

BT _ 203

Biochemistry

Time: 3:00 Hours

Max. Marks : 40

Note : Answer any 5 questions from the following
Assume suitable missing data, if any.

1. Write brief short notes on the following:
 - a. Coenzymes
 - b. Ketone bodies
 - c. Covalent vs non covalent interactions
 - d. Protein structures
2. Compare in detail glycolysis and gluconeogenesis.
3. Give a detailed account of ATP yield through oxidative phosphorylation.
4. Discuss regulation of fatty acid metabolism. How is the liver an important organ for fatty acid metabolism?
5. What are purines and pyrimidines? Briefly explain amino acid biosynthesis
6. Describe the following cycles in brief giving suitable schematic diagrams:
 - a. Urea Cycle.
 - b. Krebs Cycle

