

Exam. Code : 107404
Subject Code: 1768

B.Sc. (Bio Technology) 4th Semester
BIOCHEMISTRY-D
Paper : BT-3

Time Allowed—2 Hours] [Maximum Marks—40

Note :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. Define beta oxidation. Explain various steps involved in oxidation of unsaturated Fatty acids.
2. A) Explain various steps involved in degradation of sphingolipids.
B) Write a note on ketone bodies.
3. Explain various steps in the biosynthesis of Fatty Acids.
4. A) Explain the role of insulin in regulation of fatty acid synthesis.
B) What is the role of lipoproteins in regulation of Cholesterol levels in the body?
5. Write a note on degradation of essential amino acids.
6. A) Explain urea cycle.
B) Write a note on Transamination reactions.
7. Discuss the degradation of purines and pyrimidines.
8. A) Discuss Salvage pathway and its importance.
B) Write a note on regulation of nucleotide biosynthesis.

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