

AQ-915

M.Sc. (Part—I) Semester—II (CBCS Scheme)

Examination

MICROBIOLOGY

(Microbial Metabolism)

Paper—VII

Time : Three Hours]

[Maximum Marks : 80

Note :—ALL questions are compulsory and carry equal marks.

1. Explain in brief, TCA. 16

OR

- (a) Explain ED pathway. 8

- (b) Explain Fate of Pyruvate. 8

2. Explain in brief C_1 compounds. 16

OR

- (a) Explain Ribulose pathway. 8

- (b) Explain the Oxidation of Methane. 8

3. Explain Biosynthesis of Pyrimidine nucleotides. 16

OR

- (a) Explain Inhibitors of nucleotide synthesis. 8

- (b) Explain catabolism of nucleotides. 8

4. Explain in brief reductive catabolism. 16

OR

- (a) Explain catabolism of aromatic amino acid with example. 8
- (b) Explain Lipid metabolism of sphingo-lipid. 8
5. Explain the biosynthesis of Branched chain amino acid. 16

OR

- (a) Explain Assimilation of inorganic Nitrogen. 8
- (b) Explain catabolism of Lysine. 8