

VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)

DIPLOMA IN PHARMACY EXAMINATION – October 2019
First Year

BIOCHEMISTRY AND CLINICAL PATHOLOGY

Time: Three hours

Maximum: 80 marks

Answer **Any EIGHT** questions only
All questions carry equal marks
Draw Neat, Labelled Diagram wherever necessary.

1. Define and classify diabetes mellitus with its diagnostic test.
2. Explain the catabolism of Aminoacid.
3. Define and explain gluconeogenesis.
4. Explain a) Metabolism of aromatic amino acid. B) Urea cycle.
5. Outline the site, enzyme system and energetic of TCA cycle. (2+3+3)
6. Write a note on : a) Osazone test b) Biuret test c) Fouchet's test d) Hay's test.
7. Define a) Oestomalacia b) Flurosis c) Survey d) Ketosis.
8. Write a note on chemistry of Vitamin A and deficiency diseases.
9. Explain the mechanism of enzyme action.
10. Elaborate about α – helix structure of protein.
