

J-375

Diploma in Pharmacy (Part-I) Examination, 2021

Paper - IV

BIOCHEMISTRY & CLINICAL PATHOLOGY

Time Allowed : Three Hours

Maximum Marks : 80

Note : Attempt any five questions. All question carry equal marks.

Q. 1. Discuss the normal and abnormal constituents of urine and their biological significance. **16**

Q. 2. What is peptide? Write classification and chemistry of amino acids. **16**

Q. 3. Define the term Enzyme and classify it with suitable examples. Explain various factors which affect Enzyme activity. **16**

Q. 4. What is Carbohydrate? Classify it with suitable examples and discuss the chemistry of glucose compound. **16**

(2)

Q. 5. Write short notes on the following: **8x2=16**

(a) Water soluble Vitamins

(b) Glucose metabolism

Q. 6. Discuss the role of minerals and water in the life process. **16**

Q. 7. Write short notes on the following : **4x4=16**

(a) Fatty acids

(b) Co-enzymes

(c) Qualitative test for lipid

(d) Urea cycle
