No. of Printed Pages : 4
Roll No. .....

2114

1st Year / Pharmacy

Subject : Biochemistry & Clinical Pathology

Time : 3 Hrs. M.M. : 80

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

Q.1 Define the term Biochemistry.

Q.2 Mention one Example of Conjugated Protein.

Q.3 Ninhydrin Reaction is used to identify?

Q.4 Mention one protein Deficiency Disease.

Q.5 Define Thrombocytopenia.

Q.6 Mention normal R.B.C Count in Human Beings.

Q.7 How many ATP is Produced by Glycolysis?

Q.8 Define Hypernatremia.

Q.9 Mention one Example of Phospholipid.

Q.10 Mention one use of vitamin-C.

SECTION-B

Note: 7 Short questions of 3 marks each out of which 5 are to be attempted. 5x3=15

Q.11 Mention properties of protein.

Q.12 Mention two identification Test for Protein.

Q.13 Classify Monosaccharide's and Polysaccharides.

Q.14 Mention Biochemical role of Vitamin-A.

Q.15 Mention three uses of Magnesium.

Q.16 Write Brief note on Hypoglycemia.

Q.17 Mention three Diagnostic Application of Enzymes.

SECTION-C

Note: 7 Restricted response questions of 5 marks each out of which 5 are to be attempted. 5x5=25

Q.18 Write a note on Biological importance of Amino Acids.

Q.19 Mention three identification test for Carbohydrates.

Q.20 Write a note on Vitamin-D.

Q.21 Mention various function of Blood.

Q.22 Write a note on Glycogenesis.

Q.23 Write a note on Megaloblastic Anaemia.

Q.24 Write a note on protein as an Abnormal Constituents of Urine.

SECTION-D

Note: 4 Extended response of essay type questions of 10 marks each out of which 3 questions to be attempted. 3x10=30

Q.25 Explain in detail about Beta-Oxidation of Fatty Acids.

Q.26 Classify W.B.C and mention diseases related to W.B.C.

Q.27 Explain in detail Hexose Monophosphate Shunt.

Q.28 Explain in detail Diseases related to Protein Deficiency.