



The West Bengal University of Health Sciences
MBBS 1st Professional (Supplementary) Examination, 2018

Subject : Biochemistry
Paper : II

Full Marks : 50
Time : 2½ hours

Attempt all questions. The figures in the margin indicate full marks

Group-A

1. a) Discuss an essay on the biosynthesis of urea. How it is regulated? Add a note on the clinical significance of uremia. 6+4+2=12

or

- b) Write a detailed essay on glycogen synthesis and degradation. Give an account of their regulation. 8+4=12

Group-B

2. Answer any two of the following : 2 x 7
- a) Describe the differences in characteristic of blood and urine parameters of the three types of jaundice. 7
- b) Differentiate between prokaryotic and eukaryotic DNA replication. 7
- c) Describe the role of insulin and glucagon on the gluconeogenesis process in fed and starved states. 7

Group-C

3. Write short notes on any four of the following : 4 x 3

- a) Phenylketonuria.
b) Tumour markers.
c) Electrophoresis.
d) Abnormalities of thyroid function.
e) Biochemical Functions of ascorbic acid.

Group-D

4. Explain the following Statements : 4 x 3

- a) Alcohol intake precipitates gouty attack.
b) Citrate Plays an important role in fatty acid synthesis.
c) Uncontrolled diabetes mellitus cause cataract.
d) HDL Cholesterol is good cholesterol.