

001/18

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

Subject : Biochemistry
Paper : I

Full Marks : 50
Time : 2 1/2 hours

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

Group-A

1. a) Describe the different mechanisms by which body pH can be maintained within normal range. 12
- or
- b) Narrate the mechanisms of transport of various nutrients across a biological membrane with schematic diagram, where ever applicable. 8+4=12

Group-B

2. Answer any two of the following : 2 x 7
- a) Describe Watson-crick model of DNA structure. Draw and label the structure of a t-RNA. 4+3
- b) Discuss isomerism of glucose. 7
- c) Discuss Secondary structure of protein. 7

Group-C

3. Write short notes on any four of the following : 4 x 3
- a) Sphingomyelin.
 - b) Radio isotopes intreatment.
 - c) Nitric oxide having various roles.
 - d) Classification of amino acids.
 - e) Isoenzymes.

Group-D

4. Explain the following Statements: 4 x 3
- a) Ketone bodies are not waste materials.
 - b) Allopurinol is called a suicide inhibitor.
 - c) Benedict test is used to identify reducing sugar.
 - d) Transfatty acids are injurious to health.