

The West Bengal University of Health Sciences
M.B.B.S. 1st Professional (Supplementary) Examination, 2012

Subject : Biochemistry
Paper : II

Full Marks : 50
Time : 2½ hrs.

Use Separate answer script for each group
Attempt all questions. The figures in the margin indicate full marks.

Group - A

1. a) Describe the enzymes and proteins associated with prokaryotic DNA replication process. 12
- or
- b) Explain how iron is absorbed, transported and stored in the body. 12

Group - B

2. Answer any two of the following : 2 x 7
- a) Describe how the proto-oncogene is converted the oncogene.
- b) Describe the process of formation of glucose from lactate indicating the regulatory steps.
- c) Explain the peroxisomal beta oxidation and mention its importance.

Group - C

3. Write short notes on any four of the following :
- a) Point mutation
- b) Tumor markers.
- c) Renal function test.
- d) Polymerase chain Reaction.
- e) Antioxidant vitamins.

Group - D

4. Explain the following statements : 4 x 3
- a) Statin group of drugs act as cholesterol lowering agent.
- b) Gout is precipitated by intake of alcohol.
- c) Genetic code is degenerate.
- d) Glucose 6 phosphate dehydrogenase deficiency develops anaemia.