

0819E373

First Year MBBS Examination

I MBBS Biochemistry Paper 1

Time: 3 hours

Max Marks: 50

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. Give an account of any TWO of the following (10)

a) Gluconeogenesis (A. 135) (C.258)

b) Metabolic changes in diabetes mellitus
(A. 170)(C.681)

c) Risk factors for coronary artery disease
(A. 476)

2. Write Short notes of (any three) (9)

a) Classification of enzymes (A. 53) (C. 86)

b) Competitive inhibition (A. 63) (C.92)

c) Polyunsaturated fatty acids (A. 105) (C. 509)

d) Hemolytic jaundice (A. 333) (C.216)

e) Compare starch and cellulose (A. 96) (C. 20,22)

3. Discuss Any TWO (6)

a) Role of kidney in pH regulation (A. 399)
(C. 477)

~~b) Electrophoresis and its applications (A.~~

432) (C.724)

c) Creatinine clearance test (A. 374)
(C.461)

Section 2

4. Write Short notes on (any two) (10)

a) Ketogenesis and ketolysis (A. 205) (C. 294)

b) HMP shunt (A. 144) (C. 270)

5. Write Short notes on (any two) (9)

c) Fates of Cholesterol (A. 217) (C.313)

a) Chemiosmotic theory (A. 318) (C.229)

b) Tumour markers (A. 666) (C.691)

c) Air pollution (A. 534) (C.663)

d) Anti-oxidants (A. 429) (C.658)

e) IgG (A. 649) (C.188)

6. Give your comments with justification of Any Six: (6)

a) CK-MB

b) Respiratory acidosis (A. 405) (C.482)

c) Renal glycosuria

d) Lipotropic factors

e) Structure of mitochondria (C.6)

f) Inhibitors of E.T.C. (A.320)

g) Glycosides (A. 93) (C.17)

h) Iodine number