

Instructions:

Date: 11-01-2017
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) Jaundice (A. 332) (C. 216)
- b) Liver Function test (A. 357) (C. 453)
- c) Blood buffers and their roles (A. 398) (C. 475)

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

- a) Derivatives of monosaccharides and

their significance(A.92)(C.16)

b) Factors affecting enzyme activity (A. 60) (C. 88)

c) Detoxification by conjugation (A. 525) (C. 640)

d) Competitive inhibition of the enzyme activity (A. 63) (C. 92)

e) Phospholipids and their functions (A. 108) (C. 34)

3. Discuss Any TWO (6)

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

b) pH meter

c) Mitochondria (A. 12) (C. 6)

Section 2

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

a) Diabetes (A.170) (C.679)

b) Anaerobic Glycolysis (A.128) (C. 245)

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

c) Glycogen storage disorders (A.144) (C. 269)

a) Substrate level phosphorylation (A.313) (C. 224)

b) Hazards of Radioactivity (A.684)

c) Structure and functions of IgE (A. 650) (C.187)

d) Lactic acidosis (A. 171) (C.248)

e) Inhibitors and uncouplers of ETC (A.320) (C.233)

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

a) LDL-cholesterol

b) Heparin

c) Lecithin

d) Essential fatty acids (C.509)

e) Rancidity

f) Carcinogens (C.667)

g) Blood group substances

h) Urea clearance test: significance

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