

**Date: 13-07-2016**

**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) Dietary fibers and their importance (A.

514) (C. 508)

b) biological detoxication (A. 525) (C. 638)

c) significance of clearance tests (A. 374) (C. 460)

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

a) isomerism

b) Glycosaminoglycans (A. 98) (C.22)

c) Porphyrias (A. 328) (C.212)

d) Phospholipids (A. 108) (C. 34)

e) Clinical significance of enzymes (A. 53) (C.105)

**3. Discuss Any TWO (6)**

a) Gastric functions tests (A. 364) (C.463)

b) Colorimetry (A. 437) (C.276)

c) Metabolic acidosis (A. 402) (C.481)

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

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

b) B-oxidation of palmitic acid (A. 191)

(C.287)

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

- a) Oxidative phosphorylation (A. 318) (C.228)
- b) water pollution (C.664)
- c) Carcinogens (A. 662) (C.667)
- d) Structure & functions of IgG (A. 649) (C.186)
- e) Tumour Markers (A. 666) (C.691)

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

- a) Hypoglycemia
- b) Dextrans
- c) Waxes
- d) HDL
- e) Iodine value
- f) Insulin (A. 165)
- g)  $\alpha$ ,  $\beta$  anomers
- h) Mutarotation