

Date: 09-07-2014

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) Glycosaminoglacans (A. 98) (C.22)
- b) Principle sources of glucose after overnight fast (A.160)(C.676)
- c) Glycolysis (A. 128)(C.245)

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

- a) Essential fatty acids (A. 242) (C.509)
- b) Beta oxidation (A. 194) (C.287)
- c) Fatty acid synthesis (A. 201) (C.297)
- d) Phospholipids (A. 108) (C. 34)

3. Discuss Any TWO (6)

- a) Isoenzymes of diagnostic importance (A. 79) (C.112)
- b) Enzyme inhibition (A. 63) (C.92)
- c) Chromatography and its applications in medicine (A.434)(C.719)

****Section 2******4. Write Short notes on (any two) (10)**

- a) Essential aminoacids (A. 27) (C.48,511)
- b) Nitrogen balance (A. 515) (C.511)
- c) Hemoglobin (A. 339) (C.196)

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

- a) Eukaryotic ribosomes (A. 579) (C.82)
- b) Biochemical role of mitochondria (A. 12) (C.6)
- c) Glycogen storage disorders (A. 144) (C.269)
- d) Lipoproteins (A. 217) (C. 317)

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

- a) Alkaline phosphatase
- b) Biliary obstruction
- c) Ammonia intoxication
- d) Blood glucose homeostasis
- e) G6PD deficiency
- f) Multiple roles of TCA cycle (A.304) (C.257)
- g) Immunoglobins (C.186)
- h) Colorimetry