

Date: 11-04-2016

GDU 2832

## **First Year MBBS Examination**

### **I MBBS Biochemistry Paper 2**

Time: 3 hours Max Marks: 50

Instructions: 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**

2. Write Short notes on (any three) (9)
  - a. Diagnostically important enzymes
  - b. Oxygen dissociation curve
  - c. Homopolysaccharides
  - d. Essential fatty acids
  - e. Sphingolipids
3. Write Short notes on (any two) (6)
  - a. Metabolic acidosis
  - b. Fluid mosaic model
  - c. Hemoglobin electrophoresis

#### **Section 2**

4. Write Short notes on (any two) (10)
    - a. Metabolism of Ketone bodies
    - b. Fatty acid synthesis
    - c. Gluconeogenesis
  5. Write Short notes on (any three) out of five) (9)
    - a. Antioxidants
    - b. Chemiosmotic theory
    - c. Mercury poisoning
    - d. Tumor markers
    - e. ELISA
  6. Comment on the statement in few sentences: (any six) (6)
    - a. Phlorizin (an inhibitor of Sodium- Glucose symporter) causes glycosuria.
    - b. Processed food with high Trans fatty acid content are injurious to health.
    - c. Though cellulose is not digested in human GIT, it is an important component out diet.
    - d. Glucose 6 phosphate dehydrogenase deficiency leads to hemolytic anemia.
    - e. Triglycerides with Short & Medium chain fatty acids are given in obstructive jaundice.
    - f. Carboxy hemoglobin and carbomino hemoglobin are different.
    - g. Brown adipose tissue is important for few new born babies.
    - h. Kussmaul's respiration is seen in diabetic
-

keto acidosis.

\*\*\*

[www.FirstRanker.com](http://www.FirstRanker.com)