

Date: 01-10-2020

0819E373

First Year MBBS Examination

I MBBS Biochemistry Paper 1

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

1. Describe in detail the pathway of glycolysis and its energetic. Explain the role of various enzyme inhibitors of glycolytic pathway. (10)

2. Discuss: (8)

a) Ketone bodies

b) Competitive inhibitors

3.Discuss :**(8)**

- a) Biochemical role of vitamin D
- b) Coenzyme functions of pyridoxine and riboflavin

Section 2

4.Explain:**(8)**

- a) Glycosylated hemoglobin
- b) GOUT
- c) Structure of insulin
- d) Electron transport chain

5.Describe:**(8)**

- a) Dietary fibre
- b) Glycogen storage disorders

6.Explain:**(8)**

- a) Zinc biochemical role and deficiency disorders
- b) Essential amino acids

7.Discuss :**(8)**

- a) Free radicals and their scavenging
- b) Functions of phospholipids

8.Write short notes on:**(8)**

- a) Phenylketonuria
- b) Reverse cholesterol transport
- c) Products of tyrosine metabolism
- d) Bile pigments

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