

KCB 2411

First Year MBBS Examination

I MBBS Biochemistry Paper 1

Time: 3 hours Max Marks: 50

Date: 12-10-2014

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. Give an account of: (any two) (10)
 - a) Role of Kidney in acid base regulation
 - b) What are the different types of enzymes inhibitors? Explain with suitable examples
 - c) Mention the various types of abnormal hemoglobin and discuss sickle cell disease
2. Write Short notes on (any three) (9)
 - a) Lipoproteins (A. 217) (C. 317)
 - b) Mucopolysaccharides (A. 98) (C. 22)
 - c) Fluid Mosaic model (A. 13)(C.650)
 - d) Jaundice (A. 332) (C. 216)
 - e) Mucopolysaccharides
- ~~3. Write Short notes on (any two) (6)~~

- a) Liver function test (LFT)
- b) Electrophoresis and its importance (A. 432) (C.724)
- c) Active transport (A. 15) (C. 651)

Section 2

4. Give an account on (any two) (10)

- a) Metabolism of ketone bodies
- b) Glycogen storage diseases (A. 144) (C.269)
- c) Regulation and significance of gluconeogenesis (A. 135) (C.258)

5. A. Write Short notes on (any three) (9)

- a) Free radical scavenging enzymes
- b) Inhibitors of electron transport chain (A. 315, 318) (C. 226, 232)
- c) Lead poisoning
- d) Oncogenes (A. 664) (C.687)
- e) Functions of immunoglobulin (A. 649) (C.186)

6. Write Short notes of (any six) (6)

- a) LDL is bad cholesterol and HDL is good cholesterol
- b) Glucose is not formed in muscle glycogenolysis
- c) Temperature affects enzymes activity
- d) Glucose 6 phosphate dehydrogenase deficiency causes hemolytic anaemia
- e) Prostaglandins act as detoxifying agent (A.

243) (C.644)

- f) Role of glutathione as detoxifying agent
- g) Methotrexate is an anticancer drug
- h) Primary excess of carbonic acid causes respiratory acidosis

www.FirstRanker.com