

Date: 12-10-2017

Instructions:

AH 3465

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) (10)

- a. Mention various types of abnormal Hemoglobin. Explain about Thalassemia (A. 347) (C. 206)
- b. What are the different types of enzyme Inhibitors? Explain with suitable examples
- c. Metabolic derangements in Diabetes Mellitus.

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

a. Bohr Effect

~~b. Fatty liver and lipotropic factors (A. 204)~~

(C.322)

- c. LFT related to cardiac and liver disease
- d. Phospholipids composition and types (A. 108) (C. 34)
- e. Coenzymes

3. Write Short notes on (any two) (6)

- a. Blood buffers (A. 398) (C. 475)
- b. Secondary active transport
- c. Chromatography and its application (A. 434) (C.719)

Section 2

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

- a. Glycogenolysis and its regulation (A. 140) (C.265)
- b. Cholesterol synthesis regulation and its clinical significance
- c. Gluconeogenesis explain different non carbohydrate sources (A. 135) (C.258)

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

- a. Chemiosmotic mechanism of ATP formation (A. 315,318) (C.229)
 - b. Health hazards of Air pollution (A. 534) (C.663)
 - c. ETC and its inhibitors (A.320) (C.233)
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- d. Tumor markers (A. 666) (C.691)
- e. Structure and function of immunoglobulin (A. 649) (C.186)

6. Read the case report and answer the following question (any six) (6)

- a. LDL-Cholesterol is called bad Cholesterol
- b. Glucose 6 phosphate dehydrogenase (G6P) deficiency lead to drug induced hemolytic anemia
- c. GAGs accumulate in Hurlers syndrome
- d. Bile salts help in digestion and absorption of lipids

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