

Tanta University

Faculty of Medicine

Date:18-2-2018

Medical Biochemistry Department.

Time allowed: 3h

Medical Biochem. Exam. For M.S. physiology

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All questions must be answered :

1. Write on the following: (30 marks)

- A. Difference between α and β Lipoproteins
- B. Rancidity .
- C. Choline containing lipids (structure is needed)

2. Give an accounts on (structure is needed): (30 marks)

- A. L-fucose
- B. Aldohexoses
- C. Sulphated mucopolysaccharide and its clinical significance

3. Write on the following: (40 marks)

- A. Glutathione (structure is needed).
- B. Sulpher containing amino acids (structure is needed).
- C. Zwitter ion
- D. Denaturation of protein

4. Give an accounts on : (10 marks)

Vitamin C functions and deficiency manifestations

5. Discuss the followings : (70 marks)

- A. Comparison between T & R forms of hemoglobin.
- B. The biochemical basis of Sickle cell anemia.
- C. Oxygen dissociation curve of hemoglobin (diagram is needed).
- D. Covalent modification of enzymes.
- E. Isoenzymes with reference to its clinical importance.
- F. Factor affecting calcium absorption.
- G. Phosphorous containing compounds

سيعد الامتحان الشفوي بمشيئة الله الاربعاء 2018-2-28

Good Luck