

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

Date: 2-4-2016

1st Part Medical Biochemistry Cardiology Exam . (M.S)
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Give an account on each of the following:

- 1) Clinical significance of CPK, Troponin T and LDH as cardiac makers.
- 2) Illustrate the rate limiting step of cholesterol synthesis with reference to the regulatory mechanisms and effect of lipid lowering drugs on cholesterol synthesis.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الموافق ٢٠١٦/٤/٢٠

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
First Part Examination

2-4-2016
Time: 3 hours

Medical Biochemistry M.S. Physiology Exam.

I. Write on the following:

1. Fate of pyruvate.
2. Fructose intolerance.
3. Gluconeogenic enzymes.
4. Inhibitors of oxidative phosphorylation.

II. Discuss the following:

1. Just mention how to calculate the energy produced from complete oxidation of stearic acid,
2. Enumerate role of some vitamins related to lipid metabolism, and write two pathways in lipid metabolism each utilizes one of them .
3. Draw the diagram for the fatty acid synthase complex, and write the overall reaction for Palmitate synthesis, then discuss in details formation of oleoyl-CoA from Palmitate.
4. Enumerate some enzymes regulated by covalent modification by phosphorylation in lipid metabolism, and discuss in details regulation of one of them

III. Differentiate between group I and group II hormones and discuss with diagram in details mechanism of action of group I hormone

IV. Give an account on the following:

1. Mitochondrial steps of urea cycle.
2. Phenyl ketonuria.
3. Formation of serotonin.
4. Deamination

V. Give an account on :

1. Nucleosome.
2. Origin of replication.
3. Point mutation.
4. Mismatch repair

Good Luck

Tanta University

Faculty of Medicine

Date: 2-4-2016

Department of Medical Biochemistry

1st Part Medical Biochemistry for Microbiology M.Sc. Exam.

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Write short notes on the following:

1. Competitive inhibitors of enzymes.
2. Isoenzymes.
3. RNA polymerase.
4. Enzymes of prokaryotic replication.
5. Operon model.
6. Genetic code.
7. Gene therapy.
8. Restriction endonuclease.

Good luck

Oral practical Exam will be on Sunday 10-4-2015

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
1st Part Medical Biochemistry M.S. Surgery Exam.

Date: 3-4-2016

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1) Write short notes on the following:

- A. Immunoglobulins.**
- B. Thyroid hormones synthesis and secretion.**
- C. Tumour markers for**
 - 1. Cancer head of the pancreas.**
 - 2. Hepato cellular carcinoma.**

Good Luck

سيعد الامتحان الشفوى بمشيئة الله يوم الارباء الموافق 2016/4/20

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
1st Part Medical Biochemistry M.S. Urology Exam.

Date: 3-4-2016

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All questions are to be answered:

Write on the following:

1. Precipitating factors, types, and clinical investigations of renal stones.
2. Diagnosis, prevention and treatment of electrolyte abnormalities secondary to acute renal failure.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الارباء الموافق 2016/4/20

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

Date: 3-4-2016

1st Part Medical Biochemistry M.S. Dermatology Exam.

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1) Write on the following:

- a) Sources, functions and deficiency of vitamin C.
- b) Biosynthesis and function of testosterone.

2) Give an account on the following:

- a) Alkaptonuria.
- b) Phenylketonuria.
- c) Albinism.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الأربعاء الموافق ٣/٤/٢٠١٦

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
1st Part Medical Biochemistry M.S. Cardiology Exam.

Date: 11-4-2016

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Explain the role of the following parameters in the diagnosis of AMI.

- a) Ischemia modified albumin.
- b) Muscle phosphorylase-B.
- c) Troponin T.
- d) CPK isoenzymes and isoforms.
- e) Myoglobin.
- f) LDH.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الاربعاء الموافق 2016/4/20

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
1st Part Medical Biochemistry Orthopedic M.S. Exam.

Date: 11-4-2016

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Write on the following:

- 1. Factors affecting ca level and ca absorption.**
- 2. Biochemical aspect of osteomalacia.**
- 3. Clinical manifestations of Rickets.**

Good Luck

سيُعقد الامتحان الشفوي بمشيئة الله يوم الارباء الموافق 2016/4/20

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

13-4-2016

1st Part Medical Biochemistry M.S. Dermatology Exam.

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1) Write on the following:

- a. Structure and function of immunoglobulin E.
- b. Adrenogenital syndrome.

2) Give an account on the following:

- a. Mechanism of action of group I hormones.
- b. Albinism.
- c. Sources and functions of vitamin E.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الارباء الموافق 2016/4/27

Tanta University

Faculty of Medicine

Date:13-4-2016

Department of Medical Biochemistry

1st Part Medical Biochemistry for M.Sc. of internal medicine Exam.

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Write short notes on the following:

1. Biochemical aspect of diabetic ketoacidosis.
2. Hormonal changes in obesity.
3. PCR.

Good luck

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

Date: 3-4-2016

1st Part Medical Biochemistry Pediatrics M.S and diploma.
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All questions are to be answered:

Write on:

- 1) Glycogen storage diseases.
- 2) plasma protein and their functions
- 3) Factors affecting absorption and blood levels of calcium and phosphorus.
- 4) Galactosemia
- 5) Physiological jaundice.

Good Luck

سوف يتم عقد الامتحان الشفوى يوم الاربعاء 13-4-2016

Tanta University
Faculty of Medicine
Department of Medical Biochemistry
1st Part Medical Biochemistry M.S. Internal Medicine Exam.

Date: 3-4-2016

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Write short notes on the following:

1. Biochemical aspects of obesity.
2. Biochemical aspects of jaundice.
3. Gene therapy.

Good Luck

سيعد الامتحان الشفوي بمشيئة الله يوم الاربعاء الموافق 2016/4/20

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

Date: 3-4-2016

1st Part Medical Biochemistry Diploma Dermatology Exam.

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1) Write on the following:

- a) Sources, functions and deficiency of vitamin A.
- b) Functions of testosterone.

2) Give an account on the following:

- a) Pellagra.
- b) Scurvy.
- c) Albinism.

Good Luck

سيُعقد الامتحان الشفوي بمشيئة الله يوم الأربعاء الموافق ٣/٤/٢٠١٦

Tanta University
Faculty of Medicine
Department of Medical Biochemistry

Date: 3-4-2016

1st Part Medical Biochemistry Pediatrics M.S and diploma.
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All questions are to be answered:

Write on:

- 1) Glycogen storage diseases.
- 2) plasma protein and their functions
- 3) Factors affecting absorption and blood levels of calcium and phosphorus.
- 4) Galactosemia
- 5) Physiological jaundice.

Good Luck

سوف يتم عقد الامتحان الشفوى يوم الاربعاء 2016-4-13