

**M.Sc. Internal Medicine Exam.**

Pharmacology department  
Faculty of Medicine  
Tanta University

Date: 18-2-2018  
Time allowed: 1 hour  
Number of Questions: 4  
Total : 45 marks



**Answer all the following questions**

**1- Give an account on: [ 8 marks]**

- a. Insulin (preparations , route of administrations and uses)
- b. Captopril ( uses , drug interaction)

**2- Mention the lines of treatment of the following cases: [10 marks]**

- a. Typhoid fever
- b. Pernicious anemia

**3- Give reason: [3 marks]**

- a. Frusemide is preferred in treatment of heart failure than thiazide diuretics
- b. Azithromycin is better than erythromycin as antibacterial
- c. Intravenous infusion is preferred over intramuscular injection in parenteral iron preparations

**4- M.C.Q. : [24 marks]**

**1-Ephedrine causes:**

- a. Miosis
- b. Bronchodilation
- c. Hypotension
- d. Bradycardia.

**2-The antagonism between glucagon and insulin on blood glucose is:**

- a. Physical antagonism
- b. Chemical antagonism
- c. Physiological antagonism
- d. Competitive antagonism

**3-When a drug with no action increase the drug with certain action this is called:**

- a. Potentiation
- b. Addition
- c. Synergism
- d. Reversal

**4-B- blockers is contraindicated in**

- a. Bronchial asthma
- b. Peripheral vascular disease
- c. Diabetic patient
- d. All of the above

**5-In pheochromocytoma, a drug that acts by decreasing catecholamine biosynthesis:**

- a. Phenoxybenzamine
- b. Propranolol
- c. Metyrosine
- d. Dexamethasone

**6-This drug is recommended in treatment of atropine toxicity:**

- a. neostigmine
- b. acetylcholine
- c. physostigmine
- d. ephedrine

**7-Used in the treatment of malignant hyperthermia:**

- a. Dantroline
- b. Halothane
- c. Antipsychotic
- d. Succinylcholine

**8-The therapeutic efficacy of antihypertensive drugs is blunted by NSAIDs because they:**

- a. Cause sodium excretion
- b. Increase the clearance of antihypertensive drugs
- c. Decrease the absorption of antihypertensive drugs
- d. Decrease the synthesis of vascular prostacyclin

**9-Which of the following drugs is related to anticoagulants and may be useful in disorders of cerebral circulation?**

- a. Aspirin
- b. Cinnarizine
- c. Nicergoline
- d. Heparin

**10-Which one of the following drugs binds bile acids in the intestine, thus preventing their return to the liver via the enterohepatic circulation?**

- a. Niacin.
- b. Fenofibrate.
- c. Cholestyramine.
- d. Fluvastatin.

**11-Which of the following is MOST likely to be required by a 5-year-old boy with anemia due to chronic renal insufficiency:**

- a. Deferoxamine
- b. Erythropoietin
- c. Filgrastim (G-CSF)
- d. Oprelvekin (IL-11)

**12-Which of the following is a side effect of oral iron therapy**

- a. Epigastric pain & bowel upset
- b. Bradycardia
- c. Sedation
- d. Salt and water retention

**13-Adverse effects of furosemide include all of the following EXCEPT:**

- a. hypercalcaemia
- b. hyperlipidemia
- c. hypokalaemia
- d. ototoxicity

**14-Digoxin is contraindicated in:**

- a. Supraventricular tachycardia
- b. Atrial fibrillation
- c. Congestive heart failure
- d. Hypertrophic obstructive cardiomyopathy

**15-In acute left ventricular failure (LVF), the drug which can be administered is:**

- a. Propranolol
- b. Morphine
- c. Amlodipine
- d. Epinephrine

**16-An elderly hypertensive has diabetes mellitus and bilateral renal artery stenosis. The best management is:**

- a. Enalapril.
- b. Hydralazine.
- c. Beta blockers
- d. Thiazides.

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**GOOD LUCK☺**

امتحان الشفوى بالقسم السبت 2018 / 2/3 الساعة 9 صباحا

**Tanta university**  
**Faculty of medicine**  
**Department of Anatomy and Embryology**



**ANATOMY EXAM. FOR MASTER AND DIPLOMA DEGREE OF  
INTERNAL MEDICINE**

**Date: 18 /2/2018**

**Total marks: 45 Marks**

**Time allowed (three hours)**

**INTERNAL MEDICINE**

**All questions to be answered**

**Illustrate your answers with diagram whenever possible:**

- 1. Discuss** the extensions of the pharynx and its divisions.  
**Enumerate** the muscles of the pharynx and their nerve supply. **(10 marks)**
- 2. Outline** the vertebro-basilar arterial supply of the brain. **(8 marks)**
- 3. Describe** the development of the foregut, its anomalies and **enumerate** the derivatives of different regions. **(10 marks)**
- 4. Mention a short note on** surface anatomy of the heart, its arterial blood supply and type of its anastomosis **(7 marks)**
- 5. Describe** facial covering of the kidney , mention its arterial supply and its segmental distribution ? **(10 marks)**

**END OF THE EXAM**

**Oral Examination: Sunday 25<sup>th</sup> Feb 2018 at 10 am.**  
**in the Anatomy Department (Second floor)**

**Best Wishes**  
**Chairman of Anatomy Department**  
**Prof.dr. Magdy Said**

**Tanta University**  
**Faculty of Medicine**  
**Department of Medical Biochemistry**

**First part examination (Medical Biochemistry)**  
**for MS in Internal Medicine**

**Date 22/2/2018**

**All questions should be answered**

**Write about:**

1. Gene Therapy
2. Hormonal changes in obesity
3. Insulin resistance

**Good luck**

**Exam for M.Sc in: Internal Medicine**

**Course Title: Histology**

**Date: 18/2/2018**

**Term: February**

**Total marks: 15 marks**

**Tanta University  
Histology Department  
Faculty of Medicine**

**Answer all of the following questions and illustrate your answers with diagrams**

**Give an account of:**

- 1- Draw only a labelled diagram of proteasome. (4 marks)
- 2- Specializations of bladder urothelium. (4 marks)
- 3- Basophil leucocyte. (4 marks)
- 4- Circumvallate papilla. (3 marks)

**GOOD LUCK**

**الامتحان الشفوي الساعة 1 بعد الامتحان التحريري يوم 18-2-2018**