

Diploma Internal Medicine Exam.

Tanta University

Date 17/8/2021

Faculty of Medicine

Time Allowed: 1 hour

Pharmacology Department

NO. of questions: 4

Total : 45 marks



All questions are to be answered.

1-Give an account on: (9 marks)

- a- Captopril (uses , contraindication).
- b- Glimetride (advantages , drug interaction).
- c- Metoclopramide (dynamics , uses).

2-Mention the lines of treatment of the following cases : (8 marks)

- a- Typhoid fever.
- b- Iron deficiency anaemia.

3-Give reason: (4 marks)

- a- Statins are administered at bed time.
- b- Iatrogenic ulcers caused by NSAIDs. are better prevented and treated by prostaglandin analogue (misoprostol).
- c- Na nitroprusside is not used for long term therapy.
- d- Non selective B-blockers are contraindicated in diabetic patients.

4-M.C.Q. : (24 marks)

1. Time taken for slow digitalization is :

- a. 6 hours
- b. 20 hours
- c. 15 days
- d. 7 days

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2. **Which one of the following is an antimuscarinic drug that has potent antispasmodic action?**
 - a. Emepronium
 - b. Benztropine
 - c. Ipratropium
 - d. Hyoscine butyl bromide

3. **Which one of the following terms describes the fraction of the drug that reaches the systemic circulation without change?**
 - a. Bioavailability
 - b. Volume of distribution
 - c. Bioequivalence
 - d. Absorption

4. **Which statement is FALSE about aminophylline?**
 - a. Acts by \uparrow intracellular cAMP.
 - b. Used for treatment of bronchial asthma
 - c. Rapid IV injection causes velocity reaction
 - d. Contraindicated in gout

5. **Which of the following is a first generation antihistaminic?**
 - a. Fexofenadine
 - b. Desloratadine
 - c. Cetirizine
 - d. Dimenhydrinate

6. **A drug with no vasodilatory properties that is effective in angina :**
 - a. Isosorbide dinitrate
 - b. Metoprolol
 - c. Nifedipine
 - d. Verapamil

7. **Which of the following describes appropriate indications of different diuretics?**
 - a. Dorzolamide used for oedema due to secondary hyperaldosteronism
 - b. Hydrochlorothiazide is used for hypercalciuria with renal calcium stones
 - c. Furosemide is used as eye drops for glaucoma
 - d. Amiloride is used for nephrogenic diabetes insipidus

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8. Glycerol trinitrate is given by sublingual route because of the following kinetic property :

- a. Short $t_{1/2}$ in plasma
- b. High hepatic first pass metabolism by oral route
- c. High bioavailability by oral route
- d. Extensive protein binding

9. Vasodilator which produces methemoglobinemia in the body :

- a. Minoxidil
- b. Hydralazine
- c. Sodium nitroprusside
- d. Diazoxide

10-Indicate the opioid analgesic, which has 80 times analgesic potency and respiratory depressant properties of morphine ?

- a. Fentanyl
- b. Pentazocine
- c. Meperidine
- d. Methadone

11-Which of the following drugs combination shows antimicrobial synergism?

- a. Erythromycin + Chloramphenicol
- b. Penicillin + Aminoglycosides
- c. Ampicillin + Tetracycline
- d. Chloramphenicol + Aminoglycosides

12-AVOID sudden stop in the following drugs :

- a. Calcium channel blockers
- b. B- Blockers
- c. Clonidine
- d. B & C

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

- a) Enalapril.
- b) Verapamil.
- c) Beta blockers
- d) Thiazides.

14-Indicate the opioid analgesic, which is used for relieving the acute, severe pain of renal colic :

- a. Morphine
- b. Naloxone
- c. Methadone
- d. Meperidine

15-The patient is admitted to the hospital and diagnosed with Hepatic encephalopathy. All of the following statements are correct EXCEPT:

- a. Placement of TIPS would likely make it worse
- b. Constipation would likely make it worse
- c. Oral lactulose is the treatment of choice
- d. Oral neomycin may be harmful if reabsorbed from the colon

16-Lugol's iodine is a combination of:

- a. Iodine + sodium iodide.
- b. Iodine + potassium iodine.
- c. Iodine + lithium iodine.
- d. Non of above.

--الشفوى...السبت 28-8-2021 بالقسم مع مراعاة الاجراءات الاحترازيه.

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GOOD LUCK

Diploma Cardiology Exam.

Pharmacology Department
Faculty of Medicine
Tanta University

Date: 26-8-2021
Time allowed: 1.5 hours
Number of Questions: 4
Total : 30 marks



Answer all the following questions

1. Give short notes on: (6 marks)

- a. Fibrinolytic drugs (types ,mode of action).
- b. Amiodarone (uses ,adverse effect).
- c. Dopamine (mode of action ,uses).

2. Mention the lines of treatment of the following : (6 marks)

- a. Infective endocarditis “ specific antibiotic therapy”
- b. Hypertensive emergency.
- c. Acute attack of myocardial infarction.

3. Give reason: (3 marks)

- a- Na nitroprusside is not used for long time therapy.
- b- Loop diuretics could precipitate digitalis toxicity.
- c- Statins are administered at bed time.

4. M.C.Q. : (15 marks)

1. 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
2. All the following statements regarding adenosine are true EXCEPT:
 - a. Dipyridamole potentiates its action
 - b. Used to produce controlled hypotension
 - c. Administered by slow I.V. injection
 - d. Administered by rapid I.V. injection
3. True statement about trimetazidine is:
 - a. It is a novel sodium channel blocker
 - b. It improves tissue perfusion by modifying rheological property of blood
 - c. It is an inhibitor of fatty acid oxidation
 - d. Both (a) and (b) are correct

4. **Drugs that reduce myocardial remodeling in CHF include all of the following EXCEPT:**
- Carvedilol
 - Digoxin
 - Enalapril
 - Spironolactone
5. **Coronary steal phenomenon is seen with:**
- Dipyridamole
 - Diltiazem
 - Propranolol
 - Verapamil
6. **Choose the drug which is used as a short-term inotropic in severe congestive heart failure and has selective adrenergic β_1 agonistic activity but no dopaminergic agonistic activity :**
- Dopamine
 - Dobutamine
 - Amrinone
 - Salmeterol
7. **Glyceryl trinitrate is given by sublingual route because of :**
- Short $t_{1/2}$ in plasma
 - High hepatic first pass metabolism
 - High bioavailability by oral route
 - Extensive protein binding
8. **Steady-state drug concentration (C_{ss}) refers to :**
- Time to eliminate 50% of a given amount of the drug
 - Plasma concentration of the drug at which the rate of administration equals the rate of elimination.
 - Elimination of fixed fraction of the drug per unit time
 - The volume of plasma from which the drug is completely removed in a unit time
9. **Which term describes "The combined effect of both drugs equals the algebraic sum of each drug effect":**
- Synergism
 - Addition
 - Potentiation
 - Antagonism
10. **Drug with low therapeutic index indicates:**
- Can be used IV
 - Can be used oral
 - Given in very tiny doses
 - Potentially toxic substance
11. **Digoxin is contraindicated in:**
- Supraventricular tachycardia
 - Atrial fibrillation
 - Congestive heart failure
 - Hypertrophic obstructive cardiomyopathy

12. Which of the following is an IV Antiplatelet agent :

- a. Aspirin
- b. Eptifibatide (Integrilin)
- c. Clopidrogel (Plavix)
- d. Ticlopidine (Ticlid)

13. Time taken for slow digitalization is:

- a. 36 hours
- b. 12 hours
- c. 5 day
- d. 7 day

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

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

15. Which of the following solutions is preferred for the initial treatment of most patients presenting with acute circulatory insufficiency caused by hypovolemia :

- a. Normal saline
- b. 5% dextrose
- c. 25% albumin
- d. 3% sodium chloride

--الشفوى...السبت 28-8-2021 بالقسم مع مراعاة الاجراءات الاحترازية.

GOOD LUCK

Pharmacology Written Exam for Diploma Chest August 2021

Tanta University

Pharmacology Written Examination

Faculty of Medicine

Number of Questions: 4

Pharmacology Department

Time Allowed: 1 Hour

Date: 24/8/2021

Total: 30 Marks



I- Give a short account on the following: (6 marks)

- a- Quinolones (Classification & adverse effects).
- b- Leukotriene antagonists (Types & uses).
- c- Theophylline (Dynamics & adverse effects).

II- Discuss in details each of the following: (7 marks)

- a- Stepwise management of bronchial asthma.
- b- New anti-tuberculosis drugs.

III- Give reason why? (2 marks)

- a- Low molecular weight heparin is preferred than unfractionated heparin in treatment of thromboembolic diseases.
- b- Cilastatin is added to imipenem but not added to meropenem in treatment of bacterial infections.

IV- Multiple Choice Questions (15 marks):

1- Contraindications of streptokinase include:

- a. Pulmonary embolism
- b. Recent surgical incisions
- c. Deep venous thrombosis.
- d. Acute myocardial infarction

2- Ketotifen is a useful drug for prophylaxis of asthma & rhinitis which acts by:

- a. Stabilizing the mast cells
- b. Increasing cyclic AMP
- c. Reducing cyclic AMP
- d. Blocking leukotrienes receptors

3- Optic neuritis and decreased visual acuity may occur as adverse effects of:

- a. Isoniazid
- b. Pyrazinamide
- c. Ethambutol
- d. Rifampin

4- Exaggerated normal action in response to a small therapeutic dose of a certain drug refers to:

- a. Hypersensitivity.
- b. Supersensitivity.
- c. Habituation.
- d. Idiosyncrasy.

5- Atropine substitute that is frequently used for treatment of chronic obstructive pulmonary disease:

- a. Emepronium
- b. Pirenzpine
- c. Ipratropium
- d. Benzotropine

- a. Hyperkalemia
- b. Hypocalcemia
- c. Hypernatremia
- d. Hypoglycemia

7- Which of the following is a first generation antihistaminic?

- a. Fexofenadine
- b. Loratidine
- c. Astemizole
- d. Cyclizine

8- Red man syndrome may occur as a hypersensitivity reaction to:

- a. Amoxicillin
- b. Cefoperazone
- c. Amikacin
- d. Vancomycin

9- Which of the following may be sufficient for asthma that is mild and intermittent?

- a. Oral corticosteroid
- b. An inhaled short-acting beta-2 agonist
- c. An inhaled long-acting beta-2 agonist
- d. Oral theophylline

10- Which of the following is FALSE regarding fluoroquinolones?

- a. They decrease plasma theophylline levels.
- b. May cause photosensitivity.
- c. They are the agents of choice for treatment of prostatitis.
- d. They are active against aerobic gram-negative bacteria including pseudomonas.

11- Which of the following has a strong antitussive effect?

- a. Bromhexine
- b. Dextromethorphan
- c. Acetyl cysteine
- d. Guaifenesin

12- Aspirin in small dose may be used for management of:

- a. Peptic ulcer.
- b. Coronary heart disease.
- c. Non-cardiogenic pulmonary edema.
- d. Metabolic acidosis.

13- Which of the following is NOT an adverse effect of heparin:

- a. Xerostomia
- b. Osteoporosis
- c. Hair loss
- d. Bleeding

14- Orange red discoloration of urine may occur due to:

- a. Isoniazid
- b. Pyrazinamide
- c. Ethambutol
- d. Rifampin

15- Dermal vascular necrosis may occur as an adverse effect of:

- a. Warfarin
- b. Heparin
- c. Fondaparinox
- d. Dabigatran

انتهت الأسئلة
GOOD LUCK

تنبيه هام: سيتم بمشيئته تعالى عقد الإمتحان الشفوي بقسم الفارماكولوجي يوم السبت الموافق
28 أغسطس 2021 الساعة التاسعة صباحا مع الإلتزام بكافة الإجراءات الإحترازية.

Faculty of Medicine

Microbiology & Immunology Department

Master of Chest Diseases

(Microbiology)

Date: 24 /8/2021 Time allowed: one Hour

-Answer the following questions:

1- Give an account on:

(8 Marks- 2 mark each)

- a) Bacterial endospore
- b) Difference between endotoxin and exotoxin
- c) Methods of limitation of drug resistance
- d) Tamiflu

2- Mention the causative organism, and methods of diagnosis of each of the following:

(6 Marks-3marks each)

- a) Fungus ball
- b) Wool Sorter's Disease

3-Give an account on the causative organisms, Diagnosis , and, prophylaxis of each of the following:

(6 Marks-3 marks each)

- a) Avian flow.
- b) Pneumonic plague.

4-give an account on significance and uses tuberculin test.

(10 Mark)

يعقد الامتحان الشفوي يوم الاثنين الموافق 30/8/2021 بقسم الميكروبيولوجي الساعة العاشرة صباحا.



Examination for Diploma Degree in: Chest
Course Title: chest 7003
Date: 24/8/2021
Term: August 2021
Time Allowed: 1 hour
Total Assessment Marks: 30



Tanta University
Faculty of Medicine
Department of: pathology

Questions Number	Marks
Q1- Whate about amyloidosis(classification, causes ant organs affect).	10
Q2- Discuss nonneoplastic lung focal lesions.	10
Q3- Mention pathological effects of tobacco smoking.	10

NB: Time of oral exam.: Monday : 6/9/2021 11 A.M.

Chairman of Department
Prof Dr. MAHA SHAMLOLA

Examination for Diploma & Master degree internal
Medicine

Course Title: Histology

Date: 17/8/2021

Term: August

Time Allowed:

Total Assessment Marks: 15 marks



University
Faculty of Medicine
Department of:
Histology

Answer the following Questions (illustrate your answers with diagrams):
Give an account of

Questions Number	Marks
Q1 – Lingual papillae (draw and label only)	4 marks
Q2 –Reticulocyte	4Marks
Q3- Pineal body.	4 Marks
Q4- Mitochondria	3 marks

NB: The oral exam will be held on 17-8-2021 at 1:00 PM.

GOOD LUCK

**INTERNAL MEDICINE ANATOMY EXAMINATION****All questions to be answered**

1. Describe the surface anatomy, lobes, fissures and impressions of the left lung. (11 marks)
2. Write short essay about each of the following: (Total 11 marks)
 - a. Surface anatomy of liver (7 marks)
 - b. Stomach bed (4 marks)
3. Discuss relations and blood supply of thyroid gland. (8 marks)
4. Enumerate muscles derived from first branchial arch and mention its blood and nerve supply (7 marks)
5. Discuss the arterial blood supply to the spinal cord. (8 marks)

END OF THE EXAM

WITH MY BEST WISHES

Oral Examination:

On 31 /8/2021 at 10 o'clock in the Anatomy Department (Second floor)

Committee of the Exam: Prof. Dr. Amal Halawa, Prof. Dr. Mona Attia, Prof. Dr. Doaa Haiba, Assis. Prof Dr. Emad Mishriki, Assis. Prof Dr. Remoon Aziz

Committee of medicine Exam: Prof. Dr. Amal alkatan, Prof Dr. mamdoh abdalaziz, Prof Dr. Manal elsawaf, Dr. Remon Aziz



INTERNAL MEDICINE ANATOMY EXAMINATION

All questions to be answered

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Committee of medicine Exam: Prof. Dr. Amal alkatan, Prof Dr. mamdoh abdalaziz, Prof Dr. Manal elsawaf, Dr. Remon Aziz