



Department of physiology  
Time allowed: Three hours  
Total marks: 30

Physiology  
MSC of Urology

Tanta University  
Faculty of Medicine  
Code: UROL 8002  
Date: 23/3 / 2021

**All the questions must be answered:**

**1- State: Factors affecting glomerular filtration rate. (8 marks)**

**2- Mention: Functions of loop of Henle. (7 marks)**

**All the following must be answered by only one choice (15 marks)**

**1- Pulse pressure normally equal:**

- a. 70 mmHg.    b. 120 mmHg.    c. 40 mmHg.    d. 90 mmHg.

**2- Stimulation of beta 2 adrenergic receptor induce :**

- a. Miosis.    c. Bronchodilatation.  
b. Bronchoconstriction.    d. Decrease heart rate .

**3- Function of thrombin is to convert:**

- a. Fibrin to fibrinogen.    c. Fibrinogen to fibrin  
b. Tissue factor to prothrombin.    d. Tissue factor to fibrinogen.

**4- Intrinsic mechanism of blood coagulation start by activation of factor :**

- a. VIII.    b. X.    c. XII.    d. III.

**5- Capillary permeability is increased by**

- a. Insulin.  
b. Histamine.  
c. Calcitonin.  
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**6- Venodilatation could induce:**

- a. Increase venous return.    c. Increase cardiac output  
b. Decrease venous return.    d. Decrease heart rate.

**7- Irreversible shock induce:**

- a. Increase sympathetic activity.    c. Increase cardiac output.  
b. Increase capillary permeability.    d. Decrease capillary permeability

Look to back

**Tanta University**

**Faculty of Medicine**

**Department of Medical Biochemistry**



**Urology "Ms".**

First Part Exam

**Write on:**

- 1- PSA test, who can have the test and mention advantages and disadvantages of the test?
- 2- Electrolyte and acid base disorders in chronic kidney disease and end-stage renal failure.

**Good Luck**

Examination for Master Degree in: Urology

Course Title: Histology 8001

Date: 21/3/2021

Term: February

Total Assessment Marks: 30 marks



Tanta University  
Faculty of  
Medicine  
Department of:  
Histology .....

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Answer the following Questions (illustrate your answers with labeled diagrams):

- Q1 - Discuss structure and function of different types of lysosomes. 8 marks
- Q2 - Give an account on the histological structure of smooth muscle. 6 Marks
- Q3 - Compare between the histological structure of the proximal and distal convoluted tubules. 8 Marks
- Q4- Discuss the function and histological structure of seminal vesicle. 8 marks

**GOOD LUCK**

**Oral exam on Sunday 21/3/2021 after written exam.**

Chairman of Department

Prof Dr. NAGLAA IBRAHIM SARHAN.



Tanta University

Master of Science in Genitourinary surgery

Faculty of Medicine

Anatomy Examination

Human Anatomy & Embryology Dep.

Number of Questions: 5

21 /3/2021

Time Allowed: 3 Hours

Total: 30 Marks



## GENITOURINARY SURGERY

**All questions to be answered**

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

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

**1.Explain** the development of the kidneys and **enumerate** its congenital anomalies. **(6 marks)**

**Describe** the course and the relations of the abdominal part of the right ureter. **Identify** the sites of its normal constrictions.

**(6 marks)**

**3.Discuss** the origin, course, and branches of the internal iliac artery.

**(6marks)**

**4.Describe** the lobes, relations, and blood & nerve supply of the prostate.

**(6marks)**

**5.Describe** the boundaries and contents of the deep perineal pouch in the male. **(6 marks)**

**END OF THE EXAM**

**Oral and Practical Examination:**

**On 4/4/2021 in the anatomy department (the second floor)**

**WITH MY BEST WISHES**

**Committee of the Examination:** Prof. Dr. Amal Halawa, Prof Dr. Maysa Fahmy, A.Prof Dr. Rabab Amer.

Tanta University

Pharmacology Written Examination

Faculty of Medicine

Number of Questions: 30mcqs

Pharmacology Department

Time Allowed: 1 Hour

Date:23 /3/2021

Total: 30 Marks



**All questions must be answered.**

- 1-The nicotine drug-binding receptor is an example of an
  - a. Enzyme.
  - b. Nucleic acid.
  - c. Ligand-gated ion channel.
  - d. Voltage-gated ion channel
  
- 2-A drug moves against its concentration gradient while crossing the plasma membrane in
  - a. Exocytosis.
  - b. Endocytosis.
  - c. Active transport.
  - d. Passive diffusion
  
- 3-Which chemical reaction is most often involved in hepatic metabolism?
  - a. Oxidation.
  - b. Reduction.
  - c. Hydrolysis.
  - d. Glucuronide conjugation.
  
- 4-Which enzyme facilitates the breakdown of a specific neurotransmitter into choline and acetate?
  - a. Monoamine oxidase.
  - b. Acetylcholinesterase.
  - c. Catechol-O-methyltransferase.
  - d. Phenylethanolamine-N-methyltransferase.
  
- 5-Phenylephrine is a drug used to treat hypotension originating from which cause?
  - a. Anaphylaxis.
  - b. Spinal anesthesia.
  - c. Cardiogenic shock.
  - d. Hypovolemic shock.



**11-Apatient arrives in the emergency room in a coma and has a serum Ca++ of 4.5 Mm . You start a saline infusion and which of the following drugs :**

- a- Calcitonin.
- b- Ethacrynic acid .
- c- Hdrochlorothizide.
- d- Spironolactone.

**12-A55-year-old man with congestive heart failure is noted to be taking furosemide each day . Which of the following is most likely to be found in the serum?**

- a- Decreased potassium level.
- b- Decreased uric acid level.
- c- Elevated magnesium level.
- d- Low bicarbonate level.

**13- An 18-year-old man who is known to have non-penicillinase-producing gonococcal urethritis is given an injection of penicillin and probenecid.**

**What is the mechanism used by probenecid that makes penicillin more efficacious?**

- a- Decreases the bacterial resistance by inhibiting penicillinase production.
- b- Increases the half-life and serum level by decreasing the renal excretion of penicillin.
- c- Prolongs the duration of action by affecting the liver metabolism of penicillin.
- d- Promotes entry of the penicillin into the bacteria.

**14-Losartan act by :**

- a- Decrease AT-1 receptor activity.
- b- Decreases bradykinin production.
- c- Decreases production of angiotensin II.
- d- Decreases renin production.

**15- Which of the following is an advantage of losartan over enalapril?**

- a- Better efficacy in lower blood pressure .
- b- Better prevention of secondary myocardial events.
- c- Less cost.
- d- Less incidence of angioedema.

- c-Moxifloxacin.
- d-Nitrofurantoin..

**21-Apatient is having a malignancy and has been suffering from severe pain.Which of the following opioid analgesics can be used as transdermal patch for alleviation of pain**

- a-Morphine.
- b-Pentazocine.
- c-Fentanyl.
- d-Tramadol.

**22-All of the following are risk factors for renal toxicity caused by aminoglycosides EXCEPT:**

- a-Eldery patient.
- b-Hypokalemia.
- c-Simultaneous use of penicillin.
- d-Total amount used is high.

**23-Which is of the following can be used safely in renal failure:**

- a-Ciprofloxacin.
- b-Ofloxacin.
- c-Lomefloxacin.
- d-Pefloxacin.

**24-Antimicrobials effective against anaerobic bacteria include the following EXCEPT:**

- a-Tobramycin.
- b-Clindamycin.
- c-Chloramphenicol.
- d-Metronidazole.

**25-Urine discolouration is caused by :**

- aThiamine.
- b-Rifampicin.
- c-Mepacrine.
- d-INH.

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