

Tanta University Master of Science in
Faculty of Medicine
Human Anatomy & Embryology Dep.
19/2/2022- Time Allowed: 3 Hours

Genitourinary surgery
Anatomy Exam.
Number of Questions:6
Total: 30 Marks



GENITOURINARY SURGERY

All questions to be answered:

Illustrate your answer with diagram whenever possible:

1. Explain the development of the urinary bladder and mention its congenital anomalies. (4 marks)
2. Discuss:
 - a): Anterior relations of the left kidney. (5 marks)
 - b): Anterior and posterior walls of rectus sheath. (5 marks)
3. Explain the development of testis and male urethra. (4 marks)
4. Describe the origin, insertion, nerve supply and action of the levator ani muscle. (4 marks)
5. Discuss the course and relations of the vas deferens in the pelvis and mention its blood supply. (4 marks)
6. Discuss the origin, course, and branches of the internal pudendal artery. (4 marks)

END OF THE EXAM

NB: Oral and Practical Examination: Just after the end of written exam on the same day at 2nd floor at Anatomy department

WITH BEST WISHES

Committee of the exam: *Prof. Dr. Amal Halawa, Prof. Dr. Mohamed ElSeidy
Prof. Dr. Morsy Aboelgoud*

Tanta University
Faculty of Medicine
Department of General Surgery

Master of Urology (According to 2013 Bylaws)

General Surgery Examination – February 2022

Date: 28 Feb 2022

Time: 3 hours

Total Marks:60

All questions should be answered

- 1) Definition, Clinical picture, complications and management of massive blood transfusion? (20 Marks)
- 2) Types, Clinical picture, complications, investigations and management of Hydrocele? (20 Marks)
- 3) Types, indications, advantages and disadvantages of abdominal incisions? (20 Marks)

GOOD LUCK

الامتحان الاكلينيكي و الشفوى بقسم الجراحة العامة بالمستشفى التعليمي الفرنساوى
(الدور السابع)

يوم السبت ٥ مارس ٢٠٢٢ الساعة الثامنة صباحا



Tanta University

Total: Marks(40)

Faculty of Medicine

Microbiology Department & Immunology

Final exam of Genitourinary surgery Master

Time:1.5 hour

Date : 26/2/2022

1. Enumerate method of sterilization or disinfection of the following: (4marks)

- a. Plastic Syringe
- b. Surgical Scissors
- c. Endoscopes
- e. Car or table for dressing instruments

2. Classify beta-lactam antibiotics and enumerate example for each class ? (5 marks)

3. Enumerate types of graft rejection? (5 marks)

4- Define Graft versus host reaction? (2 marks)

5. A 12-year-old boy is brought to the emergency department after being stung by a bee. He initially complained of localized pain and swelling. Fifteen minutes later, he began to complain of shortness of breath. His parents observed him to be wheezing. He also said that he felt very weak and dizzy. His parents brought him immediately to the local emergency department. (5 marks)

- a. What is your diagnosis?(1 mark)
- b. What is the proper management of such case?(2 marks)
- c. Mention the pathogenesis of such condition?(2 marks)

6. Case Study:

- 1/7: Patient admitted; Foley inserted
- 1/9: Temperature 100.9°F
- 1/10: Temp 102°F
- 1/11: Temp 100.9°F
- 1/12: Temp 101.6° F; Foley removed
- 1/13: Urine culture collected and positive for 100,000 CFU/ml *E. faecium* and *Candida spp.* **(9 marks)**

1-Is it hospital acquired infection ? Yes or No and explain? (2 marks)

2- If it is hospital acquired infection, Enumerate which type and explain? (2 marks)

3-Enumerate the most common causative organisms of this case? (2 marks)

4- How to prevent this condition? (3marks)

7-Enumerate mode of transmission of Hepatitis B virus? How to diagnose Acute infection with Hepatitis B ? (6 marks)

8-Enumerate clinical conditions caused by *Candida*? (4 marks)



GOOD LUCK

يعقد الامتحان الشفهي يوم الاثنين 2022 /3 /7

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GOOD LUCK



يعقد الامتحان الشفهي يوم الاثنين 17 / 3 / 2022

Exam for **Master** Degree in: Urology
Course Title: UROL8003
DATE: 26/02/2022
Time Allowed: 3 hours
Total Assessment Marks: 60



Tanta University
Faculty of Medicine
Department of: Pathology

Question	Marks (60)
1. Give an account on Germ cell tumors of the testis	10
2. Write a brief account on cystitis (Definition, types, causes, pathological features)?	10
3. Demonstrate Differential diagnosis of renal cysts?	10
4. Give an account on pathology of Bilharziasis of urinary bladder (Gross, Microscopic pictures & complications)?	10
5. Write complications of: a- Wound healing b- Benign prostatic hyperplasia	5 5
6. Describe the mechanism of spread of malignant tumors & enumerates the possible routes?	10

Oral Exam date will be announced
In Pathology Department, 4th floor- Faculty building

, Good Luck

Tanta University Master of Science in
Faculty of Medicine
Human Anatomy & Embryology Dep.
19/2/2022- Time Allowed: 3 Hours

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END OF THE EXAM

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WITH BEST WISHES

Committee of the exam: *Prof. Dr. Amal Halawa, Prof. Dr. Mohamed ElSeidy
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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 kidney failure.

Good Luck



Department of physiology

Time allowed: Three hours

Total marks: 30

Physiology

MSC of Urology

Tanta University

Faculty of Medicine

Code: UROL 8002

Date: 21 /2 / 2022

All the questions must be answered:

1- Discuss: Functions of proximal convoluted tubules. (8 marks)

2- State: Mechanism of urine acidification. (7 marks)

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

1- Secretion of erythropoietin hormone is stimulated by:

- a. Acidosis.
- b. Hyperkalemia.
- c. Hypokalemia.
- d. Alkalosis.

2- Anemic hypoxia is characterized by :

- a. Could induced by CO poisoning.
- b. Increase arterial O₂ content.
- c. Increase arterial O₂ tension.
- d. Depressed cellular metabolism .

3- Which of the following could increase central venous pressure:

- a. Capillary dilatation.
- b. Venodilatation.
- c. Venoconstriction
- d. Hypovolemia.

4- Which of the following induce metabolic acidosis :

- a. Lung fibrosis.
- b. Emphysema .
- c. Renal failure
- d. Hypoventilation.

5- Physiological response to hot environment include:

- a. Cutaneous vasoconstriction.
- b. Cutaneous vasodilatation.
- c. Increase secretion of catecholamines.
- d. Increase muscle tone.

6- Stimulation of alpha 2 adrenergic receptors induce:

- a. Vascular constriction.
- b. Relaxation to gastric smooth muscle.
- c. Bronchoconstriction
- d. Miosis.

7- Which of the following is function of insulin:

- a. Stimulate protein catabolism.
- b. Decrease blood potassium.
- c. Increase blood potassium.
- d. Stimulate lipolysis

Look to back

- 8- Pain sensation is characterized by which of the following :
- Its receptors are rapidly adapted .
 - Its receptors are moderately adapted.
 - Its receptors are free nerve endings.
 - Carried by dorsal column of the spinal cord.
- 9- Glucocorticoids could decrease blood level of :
- Free fatty acids.
 - Glucose.
 - Esinophils.
 - RBCs.
- 10- Which of the following is CORRECT regarding referred pain :
- Could explained by dorsal root branching mechanism.
 - Could explained by convergence facilitation mechanism.
 - Never occur with visceral pain.
 - Always occur with cutaneous pain.
- 11- Which of the following could increase heart rate:
- Stimulation to beta 1 adrenergic receptors.
 - Venodilatation.
 - Stimulation to muscarinic receptors.
 - Stimulation to arterial baroreceptors.
- 12- Intrinsic mechanism of blood coagulation is initiated by:
- Contact with rough surface.
 - Injury to blood vessels.
 - Activation of factor X.
 - Activation of factor VII.
- 13- Vasodilatation of arterioles could induce :
- Increase peripheral vascular resistance.
 - Decrease venous return.
 - Decrease central venous pressure.
 - Decrease peripheral vascular resistance .
- 14- Which of the following could induce respiratory alkalosis:
- Restrictive lung disease.
 - Renal failure.
 - Hypoventilation.
 - Hyperventilation.
- 15- Which of the following is CORRECT as regard blood PH:
- Inversely proportionate with arterial HCO_3 .
 - Directly proportionate with arterial PCO_2 .
 - Directly proportionate with arterial HCO_3 .
 - Normally equal 7.1 for arterial blood.



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

Physiology
MSC of Urology

Tanta University
Faculty of Medicine
Code: UROL 8002
Date: 21 /2 / 2022

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Examination for Master Degree in: Urology
Course Title: Histology 8001
Date: 19/2/2022
Term: February
Total Assessment Marks: 30 marks



Tanta University
Faculty of
Medicine
Department of:
Histology

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

- Q1 - Discuss structure and function of Golgi apparatus. 8
marks
- Q2 - Give an account on the histological structure of smooth muscle. 6
Marks
- Q3 - Give an account on the histological structure of podocyte with reference to blood renal barrier. 8
Marks
- Q4- Discuss the function and histological structure of prostate. 8
marks

GOOD LUCK

Oral exam on Saturday 19/2/2022 after written exam.

Chairman of Department
Prof Dr. Naglaa Ibrahim Sarhan.

Examination for Master Degree in: Urology
Course Title: Histology 8001
Date: 19/2/2022
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Total Assessment Marks: 30 marks



Tanta University
Faculty of
Medicine
Department of:
Histology

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- Q4- Discuss the function and histological structure of prostate. 8 marks

GOOD LUCK

Oral exam on Saturday 19/2/2022 after written exam.

Chairman of Department
Prof Dr. Naglaa Ibrahim Sarhan.

Urology

Surgical pathology exam. Feb.2022

- Q1: Surgical pathology of non-urothelial bladder tumors?
- Q2: Surgical pathology of benign renal mass?
- Q3: Surgical pathology of testicular tumors in children?
- Q4: surgical pathology of UTI associated with high grade reflux?

Urology

Surgical anatomy exam. Feb.2022

- Q1: Surgical anatomy of the penis?
- Q2: Surgical anatomy of urinary sphincter and sphincteric mechanism in female person?
- Q3: Embryology, surgical anatomy and congenital anomalies of the ureter?