

Examination for Master Degree in: NeurosurgeryMedicine.

Course title: Medical Microbiology & Immunology

Date: 30 /3 / 2021

Term: February

Time allowed: 1 hour and 30 minutes

Total assessment marks: 60 marks

Tanta University  
Faculty of Medicine  
Microbiology Department

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**Answer the following question:**

**1-What are the different mechanisms by which bacteria resist the following drugs? (20 marks)**

**a-Cephalosporins. (5 marks)**

**b-Aminoglycosides. (5 marks)**

**c-Tetracycline. (5 marks)**

**d-Sulfonamides. (5 marks)**

**2- Mention different causes of bacterial meningitis, discuss the symptoms and signs, diagnosis, treatment and prophylaxis of the epidemic cerebrospinal meningitis.**

**(15 marks)**

**3-Discuss vaccination against poliomyelitis and rabies. (15 marks)**

**4- Mention the mechanism and prevention of anaphylactic shock. (10 marks)**

موعد الامتحان الشفهي يوم الاثنين 2021/4/5

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Head of The Department  
Prof. Mohamed Zakaria

**GOOD LUCK**





**Answer all of the following questions**

**(Total marks 60)**

- 1. Discuss the types and causes of intracranial hemorrhage (12 marks)**
- 2. Enumerate four tumor markers used in diagnosis of CNS tumors (6 marks)**
- 3. Compare between thrombus and clot (6 marks)**
- 4. Give a short account on types of cerebral aneurysm (6 marks)**
- 5. Mention the pathological features of grade I and II astrocytoma (6 marks)**
- 6. Define and give four examples of paraneoplastic syndrome (6 marks)**
- 7. Give an account on schwannoma (6 marks)**
- 8. Give an account on tuberculous meningitis (6 marks)**
- 9. Mention six characters of malignant tumors (6 marks)**

**Examination for Master Degree in: General surgery**

**Term: February**

**Time Allowed: 3 h**

**Total Assessment Marks: 60 marks**



**Tanta University  
Faculty of Medicine  
Department of: Histology  
Course title: Histology  
Date: 21/ 3 /2020**

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**Answer the following questions and illustrate your answers with labeled diagrams. (Each question 10 marks).**

Q1 – Enumerate membranous organelles and describe the structure and function of SER.

Q2 – Mention granular leucocytes and discuss one of them.

Q3 – Describe the histological structure of the thyroid gland.

Q4 – Give an account on the epithelial cells of intestinal villi.

Q5- Discuss the histological structure of the Sertoli cell.

Q6 – Compare between the histological structure of lymph node and spleen.

**NB: The oral exam will be on Sunday 21 / 3/2021 at 1:30 PM.**

**GOOD LUCK**

**Chairman of Department**

**Prof Dr. NAGLA EBRAHIM SARHAN**

Tanta University

Master of Science in General surgery

Faculty of Medicine

Anatomy Examination

Human Anatomy & Embryology Dep.

Number of Questions: 5

21 /3/2021

Time Allowed: 3 Hours

Total: 60 Marks



## GENERAL SURGERY

All questions to be answered

Illustrate your answer with diagram whenever possible:

1. **Mention** important relation of **pharyngeal constrictor muscles**.  
**Enumerate** derivatives of pharyngeal pouches. **(9 marks)**
2. **A. Describe** the posterior relations of the stomach and **identify** its surface anatomy. **(6 marks)**  
**B. Mention** the walls of the ischioanal fossa, **its contents** and **describe outline** its clinical anatomy. **(5 marks)**  
**C. Discuss** course and relations of the second part of the duodenum with its blood supply. **(4 marks)**
3. **A. Discuss** the beginning, course, termination, and branches of brachial artery. **(6 marks)**  
**B. Mention** the beginning, course, end and tributaries of the saphenous veins and **outline** their applied anatomy. **(6 marks)**
4. **A. Enumerate** different layers of deep cervical fascia. **Define** fascial cervical spaces and their clinical significance. **(6 marks)**  
**B. Discuss** the beginning, course, termination and branches of facial artery. **(8 marks)**
5. **Describe** the anatomy of the pleura (parts, pleural recesses. blood supply, and nerve supply). **(10 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.

M. Sc. general surgery Exam. حديث

Pharmacology department  
Faculty of Medicine  
Tanta University

Date: 25-3-2021  
Time allowed: 1 hour  
Number of Questions: 30  
Total marks: 30



Answer all the following questions

1. The anesthetic injected close to appropriate nerve trunk in which one of the following technique of anesthesia
  - a. Nerve block anesthesia
  - b. Surface anesthesia
  - c. Infiltration anesthesia
  - d. Spinal anesthesia
2. Which one of the following is a common Side effect of spinal anesthesia
  - a. Deep vein thrombosis
  - b. Malignant hyperthermia
  - c. Headache
  - d. Hypertension
3. Which one of the following statements about nitrous oxide is TRUE?
  - a. It has slow induction and recovery
  - b. It is commonly used to produce controlled hypotension in plastic surgery.
  - c. It has potent analgesic effect
  - d. It has potent anesthetics effect
4. One of the following inhalational anesthetic is of choice in asthmatic patient
  - a. Diethyl ether
  - b. Halothane
  - c. Isoflurane
  - d. Desflurane
5. A patient was diagnosed with **malignant hyperthermia** which one of the following drugs received by the patient most likely **trigger this disorder**
  - a. Succinylcholine
  - b. Midazolam
  - c. Propofol
  - d. Vecuronium
6. Celecoxib is the non Steroidal anti-inflammatory drug (NSAID) of choice in patient with history of gastritis ;because Celecoxib has which of the following action on cyclo-oxygenase enzyme (COX)
  - a. Highly selective for COX-1
  - b. Highly selective for COX-2
  - c. Highly selective for COX-3
  - d. Non selective for COX

14. Which one of the following agents is used in treatment of **Thyroid crisis (STORM)**
- Propylthiouracil
  - Radioactive iodine ( $^{131}\text{I}$ )
  - L-Thyroxine
  - Non of the above
15. Patient who is on a thionamide, is advised to contact doctor immediately if develops fever and /or sore throat, because the drug may cause which of the following condition
- Immunosuppression
  - Angioedema
  - Laryngeal irritation
  - Agranulocytosis
16. Which one of the following drug is used in the perioperative (7-10 days) preparation of subtotal thyroidectomy to decrease size and vascularity of thyroid gland
- Radioactive iodine
  - Propylthiouracil
  - Potassium iodide
  - Methimazole
17. Infliximab in ulcerative colitis acts by which of the following mechanisms
- Bactericidal effect
  - Block somatostatin receptors
  - Cytotoxic agent
  - Monoclonal antibody  $\rightarrow$ apoptosis of inflammatory cells
18. Which of the following has anti-inflammatory effect in ulcerative colitis by decrease prostaglandins and leukotrienes production
- Methotrexate
  - Sulfasalazine
  - Azathioprine
  - Infliximab
19. Which one of the following is an action of Glucocorticoids?
- Hypoglycemia
  - Anti-inflammatory
  - Hyperkalemia
  - Hypotension
20. Which of the following is expected Side effects of glucocorticoids
- Hyperglycemia
  - Inflammation of the eye
  - Leukemia
  - Bronchial asthma

27. Which of the following is the antiemetic of choice in drug- induced nausea and vomiting

- a. Itopride
- b. Ondasetron
- c. Hyoscine
- d. Dicyclomine

28. Which of the following is of choice in emergency hypertension e.g. hypertensive encephalopathy?

- a. Losartan
- b. Sodium nitroprusside
- c. Atenolol
- d. Enalapril

29. Which of the following is selective  $\beta_1$ agonist Preferred in treatment of cardiogenic shock

- a. Dobutamine
- b. Prazocine
- c. Prednisolone
- d. Aminophylline

30. Which one of the following is an example of potassium sparing diuretics ?

- a. Furosemide
- b. Spironolactone
- c. Hydrochlorothiazide
- d. Mannitol

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**GOOD LUCK**

امتحان الشفوى الاربعاء ٣١/مارس / ٢٠٢١ العاشره صباحا



**Tanta University**

**Total: Marks(25)**

**Faculty of Medicine**

**Microbiology Department & Immunology**

**Final exam of Genitourinary surgery Diploma**

**Time:1.5 hour**

**Date : 28/3/2021**

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**1. Enumerate the level of risk of the following according to Spaulding classification: (4marks)**

- a. Urinary catheters**
- b. Thermometers**
- c. Endoscopes**
- d. Surgical instruments**

**2. Enumerate how to prevent resistance to antibiotics? (2 marks)**

**3. Enumerate types of graft rejection and differentiate between each type? (6 marks)**

**4. February 1, hospital day 4. Foley has been in place for >2 days and patient spikes temp of >38.0°C. Urine culture collected and positive for  $10^5$ CFU/ml of *Klebsiella pneumoniae*. (9 marks)**

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

2- If it is hospital acquired infection, enumerate which type and explain?  
(1mark)

3-Enumerate the most common gram-positive bacteria of this case? (2 marks)

4-What is the definition of ESBL *Enterobacteriaceae*? (1 mark)



Exam for M.Sc. Degree in: Urology  
Course Title: UROL8003  
DATE: 28/03/2021  
Time Allowed: 3 hours  
Total Assessment Marks: 60

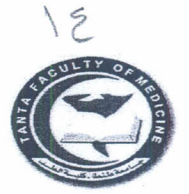


Tanta University  
Faculty of Medicine  
Department of: Pathology

Question	Marks (60)
1. Give an account on Germ cell tumors of the testis	10
2. Grading of prostatic carcinoma	10
3. Renal lesions in Diabetes Mellitus	10
4. Types and complications of urinary stones	10
5. Give an account on: A. Prognostic factors of malignant tumors	5
B. Pathological Calcification	5
6. Differential diagnosis of renal cysts	10

Oral Exam date will be on Monday 05/04/2021 at 11:00 a.m.  
In Pathology Department, 4<sup>th</sup> floor- Faculty building

, Good Luck



**Tanta Faculty of Medicine**

**Department of General Surgery**

**Master of Ophthalmology (لائحة 2013)**

**General Surgery Examination - February 2021**

**Time: 3 hours**

**Total marks: 45**

**All questions should be answered**

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**1-Factors affecting wound healing? (15 marks)**

**2-Clinical picture and treatment of rodent ulcer? (15 marks)**

**3-Clinical picture and treatment of primary toxic goiter? (15 marks)**

**Good Luck**

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الإمتحان الشفوى والإكلينيكي بقسم الجراحة العامة بالمستشفى التعليمى الفرنساوى الدور السابع  
يوم السبت ٧ مارس الساعة الثامنة صباحا

Examination for Master Degree in: General Surgery  
Course title: Medical Microbiology & Immunology,  
Date: 28/3/2021  
Total assessment marks: 30 marks



Tanta University  
Faculty of Medicine  
Microbiology Department

All questions are to be answered:

(1 mark each)

- 1) Which of the following structures is present only in Prokaryotic cells?
  - a) Cell wall.
  - b) Mitochondria.
  - c) Ribosomes.
  - d) True nucleus.
- 2) Which of these can be used in genetic transfer between bacteria?
  - a) Phagosome.
  - b) Mesosomes.
  - c) Plasmid.
  - d) Ribosomes.
- 3) The cell wall of gram-negative bacteria may contribute to septic shock. Identify the component which is associated with this.
  - a) Capsular protein.
  - b) Lipid A.
  - c) Peptidoglycan.
  - d) Teichoic acid.
- 4) Which is CORRECT concerning the log phase of the bacterial growth curve?
  - a) Adaptation of bacterial conditions
  - b) Greatly increased bacterial number
  - c) Chronic stage of the disease
  - d) Balance between cell division and cell death

Pathology Examination for Master Degree in: General Surgery  
SURG 8004  
Date: 28/3/2021  
TIME ALLOWED 3 HRS  
Total Assessment Marks: 60



Tanta University  
Faculty of Medicine  
Department of Pathology

- 1- GIVE A SHORT ACCOUNT ON INFLAMMATORY BOWEL DISEASE.  
[15 marks]
- 2- WRITE SHORT NOTES ON AUTOIMMUNE THYROID DISEASES.  
[15 marks]
- 3- GIVE A BRIEF ACCOUNT ON PRE-CANCEROUS LESIONS. [15 marks]
- 4- WRITE SHORT ACCOUNT ON DIFFERENTIAL DIAGNOSIS OF CYSTIC NECK SWELLINGS. [15 marks]

GOOD  
LUCK !!!

16- Which of the following is NOT a manifestation of tetanus?

- a) Voluntary muscles are spastic.
- b) Absent muscle response to trivial stimuli.
- c) Trismus (lock jaw).
- d) Patient is conscious.

17- Symptoms of *botulism* food poisoning are consistent with:

- a) Secretion of neurotoxin.
- b) Exotoxin shock.
- c) Ingestion of exotoxin.
- d) Invasion of the gut epithelium by *organism*.

18- All of these species are from the *Clostridia* group EXCEPT:

- a) *perfringens*.
- b) *tetani*.
- c) *difficile*
- d) *Hemolyticus*

19- Which of these *Clostridium* species is responsible for gas gangrene?

- a) *Cl. perfringens*.
- b) *Cl. tetani*.
- c) *Cl. Hemolyticus*
- d) *Cl. botulinum*

20- A child was superficially wounded in the street. What will you advise him to receive?

- a) Anti-botulinum serum
- b) Anti-diphtheritic serum
- c) Anti tetanic serum
- d) Do nothing

21- A healthcare worker who received DPT immunization as a child requires a booster every .....?

- a) 1 year
- b) 4 years
- c) 7 years
- d) 10 years

22- Which one of the following fungi should be your biggest concern during preparation of rooms of transplantation units?

- a) Aspergillous
- b) Blastomyces
- c) Candida
- d) Cryptococcus

23- To prevent HIV infection, we should strictly control:

- a) Food and drink sanitation
- b) Insects
- c) Blood transfusion
- d) Contact precautions

24- Which one of these viruses is most likely producing chronic liver disease?

- a) HBV
- b) HCV
- c) HAV
- d) HEV



Tanta Faculty of Medicine

Department of General Surgery

Master of Neurosurgery (لائحة 2013)

General Surgery Examination - February 2021

Time: 3 hours

Total marks: 60

All questions should be answered

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1-Clinical picture and treatment of hypovolemic shock? (20 Marks)

2-Causes, clinical picture and treatment of thoracic outlet syndrome?  
(20 marks)

3-Clinical picture and management of acute lower limb ischemia?  
(20 marks)

Good Luck

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الإمتحان الشفوى والإكلينيكي بقسم الجراحة العامة بالمستشفى التعليمى الفرنساوى الدور السابع  
يوم السبت ٣ أبريل الساعة الثامنة صباحا