

Examination for Master Degree in: General Surgery
SURG 8004
Date: 24/8/2021
TIME ALLOWED 3 HRS
Total Assessment Marks: 60



Tanta University
Faculty of Medicine
Department of Pathology

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- 1- GIVE AN ACCOUNT ON GASTRIC CARCINOMA. [10 marks]
 - 2- GIVE DIFFERENTIAL DIAGNOSIS OF A THYROID SWELLING. [10 marks]
 - 3- GIVE AN ACCOUNT ON CHRONIC COLITIS. [10 marks]
 - 4- WRITE SHORT NOTES ON HODGKIN'S LYMPHOMA. [10 marks]
 - 5- GIVE A BRIEF ACCOUNT ON GRADING & STAGING OF MALIGNANT TUMOURS. [10 marks]
 - 6- COMPARE BETWEEN SQUAMOUS CELL CARCINOMA & BASAL CELL CARCINOMA. [10 marks]

GOOD
LUCK !!!

Examination for Master Degree in: General Surgery
Course title: Medical Microbiology & Immunology
Date: 24/8/2021
Term: August 2021
Total assessment marks: 30 marks



Tanta University
Faculty of Medicine
Microbiology Department

All questions are to be answered:

(1 mark each)

- 1- **An example of moist heat sterilization is:**
 - a) Hot air oven
 - b) Filtration
 - c) Autoclave
 - d) Ionization
- 2- **Which of these is best used in operating rooms for air disinfection?**
 - a) Ultra violet rays.
 - b) Formalin gas.
 - c) Infra-red rays.
 - d) HEPA filters.
- 3- **What is meant by broad spectrum antibiotics:**
 - a) Antimicrobials with activity against gram negative bacteria
 - b) Antimicrobials with activity against gram positive bacteria
 - c) Antimicrobials with activity against viruses and fungi
 - d) Antimicrobials with activity against gram positive and gram negative bacteria.
- 4- **The lowest amount of antibiotics that inhibit the bacterial growth is called:**
 - a) Minimal inhibitory concentration.
 - b) Minimal bactericidal concentration.
 - c) Maximal inhibitory concentration.
 - d) Maximal bactericidal concentration.
- 5- **Microorganisms that can utilize the preformed folic acid is resistant to:**
 - a) Vancomycin
 - b) Erythromycin
 - c) Sulpha- Trimethoprim
 - d) Tetracycline
- 6- **Which of these immunoglobulins can be used to diagnose intra-uterine fetal infection?**
 - a) IgG.
 - b) IgM.
 - c) IgA.
 - d) IgE.
- 7- **Which of these immunoglobulins is responsible for hypersensitivity type I?**
 - a) IgG.
 - b) IgM.
 - c) IgA.
 - d) IgE.
- 8- **Which of these are examples for hypersensitivity type III?**
 - a) Glomerulonephritis.
 - b) Tuberculin test.
 - c) Atopy.
 - d) B & C.

- 9- **Graft versus host disease occurs because:**
- Attacking graft by cell mediated immune system.
 - Attacking graft by humoral immune system.
 - The graft attacks the body.
 - Inability of the bone marrow to make more blood cells.
- 10- **Delayed hypersensitivity reaction is characterized by:**
- Edema only without cellular infiltrations
 - Infiltrate composed of neutrophils
 - Infiltrate composed of eosinophils
 - Infiltrate composed of helper T cells and macrophages
- 11- **The drug of choice for methicillin-resistant *Staphylococcus aureus* is:**
- Ampicillin
 - Vancomycin
 - Methicillin
 - Penicillin G
- 12- **Which of the following bacterial enzyme inactivates penicillin?**
- Catalase
 - β -lactamase
 - Coagulase
 - Peroxidase
- 13- ***Pseudomonas* can cause all these infections Except :**
- wound infection
 - subacute endocarditis
 - Urinary tract infection
 - Bacteraemia
- 14- **Which of the following identify *Staph aureus* from other Gram positive cocci?**
- Growth on blood agar.
 - Catalase production.
 - Capsule.
 - Motility.
- 15- **A girl had a past history of heart valve replacement. She had undergone a minor dental surgery about two months earlier. Recently suffered from signs of bacteraemia For bacteriological diagnosis, the specimen will be:**
- Throat swab
 - Sputum
 - Blood sample
 - Nasopharyngeal swab.
- 16- **Gas gangrene is caused by:**
- Clostridium tetani*
 - Clostridium botulinum*
 - Clostridium difficile*
 - Clostridium perfringens*
- 17- **Which of these Staph species is β -hemolytic and most virulent?**
- Staph saprophyticus*.
 - Staph aureus*.
 - Staph epidermidis*.
 - Staph albus*

18- Which of the following characteristically identifies *Pseudomonas aeruginosa*?

- a) Catalase production.
- b) Capsule.
- c) Motility.
- d) Greenish pigments

19- The first line for treatment of TETANUS is:

- a) Antitoxin.
- b) Penicillin.
- c) Immunoglobulins.
- d) B & C.

20- Tetanus can be transmitted through:

- a) Feco-Oral route.
- b) Blood transfusion.
- c) Trivial Wound infection.
- d) Severe Wound infection only

21- Which of these can help in treatment of Pseudomonas infections?

- a) Amoxicillin
- b) Penicillin.
- c) Erythromycin .
- d) Aminoglycosides.

22- Which of these genes is responsible for MRSA infections?

- a) Mec A
- b) Tox A
- c) M protein
- d) Vac A

23- Which of these can help in treatment of MRSA?

- a) Vancomycin
- b) Penicillin.
- c) Erythromycin
- d) Aminoglycosides.

24- Which of these can help in treatment of VRSA?

- a) Polymyxin
- b) Linezolid
- c) Erythromycin
- d) Meropenem.

25- To help limiting transmission of MRSA and VRSA, we should control:

- a) sexual transmission
- b) Parenteral transmission
- c) contact transmission
- d) Vertical transmission

26- Kaposi sarcoma is a complication that occurs after infection with:

- a) HIV
- b) HCV
- c) HBV
- d) Mumps

27- Transmission of HBV differs from HCV in being:

- a) Non-sexually transmitted
- b) Parenterally transmitted
- c) Orally transmitted
- d) Vertically transmitted

28- Aflatoxin and HCV are similar in causing:

- a) Hepato-cellular carcinoma
- b) Liver abscess
- c) Skin infection
- d) Food poisoning

29- Transmission of *Candida* occurs through:

- a) Sexual transmission
- b) Cross transmission
- c) Parenteral transmission
- d) Vertical transmission

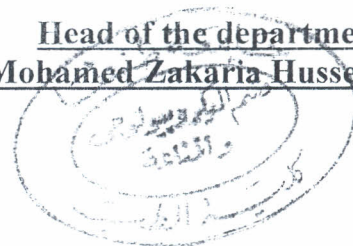
30- Your surgeon colleague just reported a needle stick injury from a hepatitis B positive patient. He gave history of receiving 2 doses of hepatitis B vaccine 2 years ago without post-vaccine testing. What will you advise him to do?

- a) Nothing, just reassurance.
- b) Receive vaccine dose only.
- c) Testing antibody level only and follow up.
- d) Receive HB immunoglobulin & vaccine dose.

GOOD LUCK

Oral exam will be on Monday 30-8-2021
At 10 am in Microbiology & Immunology Department

Head of the department
Prof. Mohamed Zakaria Hussein





Tanta Faculty of Medicine

Department of General Surgery

Master of Urology (لائحة 2013)

General Surgery Examination - August 2021

Time: 3 hours

Total marks: 60

All questions should be answered

1-Clinical picture and management of septic shock? (20 marks)

2-Clinical picture and management of acute intestinal obstruction?
(20 marks)

3-Types and complications of abdominal incisions? (20 marks)

Good Luck

الإمتحان الشفوى والإكلينيكي بقسم الجراحة العامة بالمستشفى التعليمى الفرنساوى الدور السابع
يوم الأربعاء ١ سبتمبر الساعة الثامنة صباحا



Tanta Faculty of Medicine

Department of General Surgery

Master of Ophthalmology (لائحة 2013)

General Surgery Examination - August 2021

Time: 3 hours

Total marks: 45

All questions should be answered

1-General and local factors affecting wound healing? (15 marks)

2-Clinical picture and management of rodent ulcer in the face? (15 marks)

3-Differential diagnosis of cervical lymphadenopathy? (15 marks)

Good Luck

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Tanta Faculty of Medicine

Department of General Surgery

Master of Otorhinolaryngology (ENT) (لائحة 2013)

General Surgery Examination - August 2021

Time: 3 hours

Total marks: 45

All questions should be answered

1-Systemic and local factors affecting wound healing? (15 marks)

2-Clinical picture and treatment of submandibular sialadenitis? (15 Marks)

3-Causes of cervical lymphadenitis? (15 marks)

Good Luck

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Tanta Faculty of Medicine

Department of General Surgery

Master of Neurosurgery (لائحة 2013)

General Surgery Examination - August 2021

Time: 3 hours

Total marks: 60

All questions should be answered

1-Primary survey of the polytraumatized patient? (20 Marks)

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

3-Clinical picture and management of compartment syndrome of the lower limb?
(20 marks)

Good Luck

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Tanta Faculty of Medicine

Department of General Surgery

Master of Obstetric & Gynecology (لائحة 2013)

General Surgery Examination - August 2021

Time: 3 hours

Total marks: 60

All questions should be answered

1-Indications and complications of massive blood transfusion?

(20 marks)

2-Clinical picture and staging of breast carcinoma?

(20 marks)

3-Differential diagnosis of right iliac fossa mass?

(20 marks)

Good Luck

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Tanta Faculty of Medicine

Department of General Surgery

Master of Dermatology & Venereology (لائحة 2013)

General Surgery Examination - August 2021

Time: 2 hours

Total marks: 60

All questions should be answered

1-Clinical picture and treatment of acute pyogenic abscess? (20 Marks)

2-Differences between Eczema and Paget's disease of the breast?
(20 marks)

3-Clinical picture and complications of primary varicocele? (20 marks)

Good Luck

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