



Pathology exam for master degree in neurology  
Course title: NEUROPSCH8004  
Date : 24-8-2021  
Total assessment marks: 30 marks

Tanta University  
Faculty of Medicine  
Department Of Pathology

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**Give an account on :**

- 1- Paraneoplastic syndromes (10 marks)
  - 2- Pathological features of viral infections of the nervous system. (10 marks)
  - 3- Cerebral aneurysms. (10 marks)
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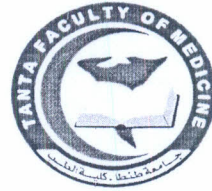
تنبيه هام: يعقد الامتحان الشفوى يوم الثلاثاء الموافق 8/24 الساعة 1 ظهرا فى قسم الباثولوجى بعد الامتحان النظرى مباشره.

Examination for Master in: Neuropsychiatry

Semester 2

Course Title: Genetics

Date: August 24, 2021



Tanta University  
Faculty of Medicine  
Department of Pediatrics

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- All questions to be answered:

Q1. Discuss prenatal diagnosis.

Q2. Give short account on complications of Down syndrome.

Q3. Mention patterns of inheritance.

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Good Luck

Chairman of Department  
Prof. Mohamed Elshanshory

*Mohamed Elshanshory*  
C-21/110

Examination for Master Degree in: Internal medicine  
Course Title: MED 8003 Path  
Date:24-8-2021  
Term: August 2021  
Time Allowed: one hours  
Total Assessment Marks:45



Tanta University  
Faculty of Medicine  
Department of:  
Pathology

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	<b>Marks</b>
<b>Write on:</b>	
<b>I)-</b>	
1- Different types of chemical carcinogens and related cancers	10
2- Complications of ulcerative colitis	5
3- Sites and lesions of primary tuberculous complex	5
<b>II)- Classification and general pathologic features of hemolytic anemias</b>	<b>10</b>
<b>III)-</b>	
1- Clinical criteria and causes of nephrotic syndrome	10
2- Gross and microscopic picture of Hashimoto thyroiditis.	5

**"Please contact the department for oral examination date"**

**Good luck**

**Exam committee**  
**Professor Dr Samir Mina**  
**Professor Dr Zeinab Elguindy**  
**Professor Dr Maha Shamloula**  
**Professor Dr Mona Abdelhak**  
**Professor Dr Ayman Elsakka**  
**Assist. Professor Dr Asmaa Bedeir**



**Give short account on: (7.5 each)**

- 1- Enumerate myeloproliferative neoplasms and give the WHO diagnostic criteria of pre fibrotic myelofibrosis?
- 2- Laboratory diagnosis of microcytic hypochromic anemia?
- 3- diagnostic approach for a case of thrombocytopenia?
- 4- Oncofetal antigens as tumor markers
- 5- Laboratory assessment of diabetic nephropathy
- 6- Types and causes of proteinuria

ملحوظة: لجنة الشفوي يوم الاربعاء 2021-8-25

لجنة الممتحنين:

ا.د. محمد عطية

ام.د. رضوي محمود الشرابي



**Q1: Enumerate:**

(2.5 marks each)

- a. Explain Methods used for testing the efficiency of autoclaving.
- b. Explain Mechanisms of antimicrobial drug resistance

**Q2: Give short account on the following**

- a-Enumerate the biologic functions of activated complement (4 marks)
- b- Mention clinical examples of Type II hypersensitivity (4 marks)
- c- Importance of MHC antigen (4 marks)

**Q3:**

(3 marks)

Define Nosocomial infection and mention Sources of nosocomial infection

**Q4:**

(5 marks)

A 19 years old male patient presented to the hospital with acute abdominal pain, bloody diarrhea and fever started a day ago after eating chicken in a cafeteria 3 days earlier. A stool sample showed gram negative S shaped rods.

- a. What is the most possible pathogenic organism?
- b. In what atmospheric environment does this organism grow?
- c. What are the selective media for this organism?
- d. What are the biochemical reactions for this organism?
- e. How to treat this case?

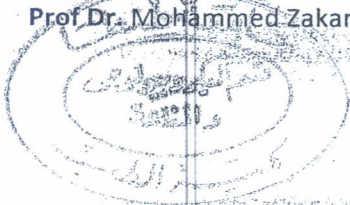
**Q5: Discuss the following**

- a) Post-streptococcal diseases (5 marks)
- b) Investigation of an outbreak of botulism (5 marks)

**Q 6: Discuss the following**

- a. Role of Proto-Oncogene theory in cancer production (3 marks)
- b. Vaccine against : HBV (3 marks)
- c. Diagnosis of Candida infection (4 marks)

Chairman of Department  
Prof. Dr. Mohammed Zakaria



Examination for master degree in **Histology**

Course Title: Hist 8001

Date 17-8-2021

Term: Augest

Total assessment marks: 90



Tanta University  
Faculty of medicine  
Department of pathology

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**Give an account on:**

- 1- Pathological lesions of Bilharziasis of urinary bladder.
- 2- Compare between adenoma and papilloma.
- 3- Classification of amyloid degeneration and pathological characteristics in affected organs.
- 4- Paraneoplastic syndrome.
- 5- Hyperplasia.
- 6- Types of acute non suppurative inflammation.
- 7- Immunohistochemistry (definition, uses, false results).
- 8- Pathogenesis of thrombosis.
- 9- Types of necrosis.

**(10 marks each)**

**Good Luck**

**NB: Practical and oral exam on 23-8-2021 at 9 AM**

**Master examination degree in: gynecology and obstetric**  
**course title: OBGYN 8003**  
**date: 22/8/2021**  
**term: AUGUST 2021**  
**time allowed: 3 hours**  
**total assessment marks: 30**

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Department of: pathology

<i>Questions Number</i>	<i>Marks</i>
<b>Q1- Comment about sarcoma.</b>	<b>10</b>
<b>Q2- What are the cuses and types of cervical carcinoma .</b>	<b>10</b>
<b>Q3- Mention about nonepithelial uterine body tumours.</b>	<b>5</b>
<b>Q4- Write short notes overian sex cord tumours.</b>	<b>5</b>

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





Tanta University  
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Medicine

Master Exam in: Cardiology  
Course Title: **CARD 8003**  
Date: 22-8-2021

Time Allowed: 3 hours

Department of  
Pathology

Total Assessment Marks: 30 marks

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Q1 : Give an account on Atherosclerosis (etiology, pathogenesis and pathological features).

Q2 : Discuss Pulmonary edema (definition, etiology and pathological features).

Q3 : List types of Pericarditis

Q4: Mention the differences between benign and malignant hypertension.

Q5 : Give an account on Mitral stenosis (etiology, pathological features, effects and complications).



Question	Marks (30)
<ul style="list-style-type: none"> <li>• <u>Give an account on:</u> <ol style="list-style-type: none"> <li>1. Subepidermal Vesicles (Types, Mechanism &amp; Histopathological features)</li> </ol> </li> </ul>	10
<ul style="list-style-type: none"> <li>• <u>Give a short account on:</u> <ol style="list-style-type: none"> <li>2. Types of Basal cell carcinoma</li> <li>3. Punch skin biopsy</li> <li>4. Type I hypersensitivity</li> </ol> </li> </ul>	4 3 3
<p><u>Give the histopathological picture of:</u></p> <ol style="list-style-type: none"> <li>1. Lichen planus</li> <li>2. Spitz nevus</li> <li>3. Syringoma</li> </ol>	4 3 3

**Oral Exam date will be announced**  
**In Pathology Department, 4<sup>th</sup> floor- Faculty building**

*, Good Luck*



Total Assessment Marks: 45

Tanta University  
Faculty of Medicine  
Department of: Pathology

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Questions	Marks
1. mention the causes of cell injury	10
2. mention the cause of inflammation	10
3. what is the sequential steps of phagocytosis	10
4. what is heparin –induced thrombocytopenia syndrome	10
5. mention the factors that influence development of infarction	10
6. mention general features of autoimmune diseases	10
7. mention the genetic factors causes of SEL	10
8. write in brief about pathogenesis and classification of amyloidosis	10
9. explain the pathogenesis of edema	10

Good luck

Examination for (Parasitology MSC)

Course Title: Clinical pathology

Term: Second semester

Time Allowed: 3 hour

Date: 19/8/2021

Total marks: 90 marks



Tanta University  
Faculty of Medicine  
Department of Clinical Pathology

**All questions must be answered:**

- 1- Give short notes on (18 marks/ 3 marks each)**
  - a- Definition of electrophoresis
  - b- Principle of Separation
  - c- Its Components
  - d- Factors Affecting Migration Rates
  - e- Principle of Immunofixation
  - f- Clinical Significance of  $\alpha_2$ -globulin
- 2- Enumerate sequencing techniques and describe in details the principle of pyrosequencing. (20 marks)**
- 3- Tabulate the differences between conventional and real time PCR techniques. (12 marks)**
- 4- Enumerate chemical mutagens (10 marks)**
- 5- Summarize DNA mutation repair mechanisms (15 marks)**
- 6- give short account on steps of gene expression in-vivo. (15 marks)**

يعقد امتحان الشفوى والعملى بقسم الباثولوجيا الاكلينيكيه بالعياده الشامله يوم السبت الموافق 2021/8/21  
الساعة العاشره صباحا