

2/4/2016
M.Sc of Internal Medicine
Time : 3 hours

Tanta University
Faculty of Medicine
Histology Department

HISTOLOGY

Illustrate your answer with diagrams

Give an account of:

- 1- Pineal body (15 marks).
- 2- Parietal cell (10 marks).
- 3- Reticulocyte (10 marks).
- 4- Smooth endoplasmic reticulum (10 marks).

Good luck

The oral exam will be on April 9 at 11 O` clock

Head of Histology Department

Prof.Dr. Ihsan Salah

Examination for master degree in **Histology**

Course Title: Hist 8001

Date 2-4-2016

Term: April

Total assessment marks: 90



Tanta University
Faculty of medicine
Department of pathology

- 1- Describe cells of inflammation and their role in inflammatory reaction.
- 2- Give an account on classification of amyloid degeneration and its pathological features in the affected organs.
- 3- Gout.
- 4- Compare between dry and moist gangrene.
- 5- Give an account on oedema.
- 6- Discuss type III hypersensitivity reaction.
- 7- Describe pathological lesions and complications of urinary bladder Bilharziasis.
- 8- Hyperplasia (Definition-Types- Causes)
- 9- Precancerous lesions.
- 10- Tumor markers.

(9 marks each)

Good Luck

**N.B. Practical and oral exam will be held on Sunday 10-4-2016
in pathology department (From 9 AM till 12.30)**

Examination for Master Degree in:
General surgery
Term: April
Time Allowed: 3 H
Total Assessment Marks: 60marks



Tanta University
Faculty of Medicine
Department of: Histology
Course title: Histology
Date: 2/4/2016

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

- Q1 - Enumerate the membranous organelles and discuss the histological structure of Mitochondria.**
- Q2 - Give an account on the structure of cell membrane.**
- Q3 – Discuss the histological structure of the spleen.**
- Q4 – Describe the histological structure of thyroid follicle.**
- Q5- Discuss histological structure of the fundic glands.**
- Q6 – Draw only the histological structure of large artery.**

NB: The oral exam will be on Monday 11 /4/ ٢٠١٦

GOOD LUCK

Chairman of Department
Prof Dr. EHSAN FAROUK SALAH

Examination for Master of Science in: Histology
First part
Course Title: (Methodology)
Date: 4/4/2016
Term: April
Time Allowed: Three hours
Total Assessment Marks: 90 marks

Tanta University



Faculty of Medicine
Histology Department

Answer all of the following questions:

- Q1-Give an account on the followings (3 marks each): (12 marks).
a-Differentiation
b-Vital staining
c-Impregnation
d-Mordants
- Q2- Describe the followings (4.5 marks each): (18 marks).
a-Metachromasia and mechanism of color shift.
b-Frozen section.
c-Preparation of tissue by dissociation (teasing).
d-Controls in biological staining.
- Q3-Give an account on types of fixatives needed for preparation of specimens for electron microscope with reference to advantages and disadvantages of each type. (15 marks)
- Q4- Give an account on requirements needed for adequate embedding media for preparation of specimens for transmission electron microscope. (7 marks)
- Q 5- Enumerate different measures for infection control of the staff. (8 marks)
- Q6-Mention principles and components of scanning electron microscope. (15 marks)
- Q7-Write in details troubles with conventional light microscope and how to deal with them. (15 marks)

Good luck

Chairman of the Department

Prof. Dr. Ehsan Farouk Salah