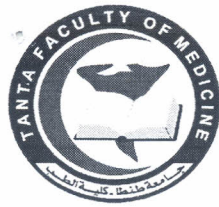


Exam for MSC Degree in:
Histology & Cell Biology
Second Semester
Code : HIST8002
Course Title: Methods in Histolog
Date: 19/8/2021
Term: August



Tanta University
Faculty of Medicine
Histology & Cell Biology
Department
Time allowed: 3 Hours
Total Marks: 90

Histology MSC exam, 2nd semester

Answer all the following questions:

1. Mention the precautions in the workplaces “Laboratories” during the COVID-19 Pandemic to minimize the risk of infection transmission?
(8 Marks)
2. Discuss methods used for identification of experimental animals.
(10Marks)
3. Differentiate between phase contrast microscope and dark field microscope
(principle, components and uses). (12 Marks)
4. Give an account on weak acids and chelating agents as decalcifying agents
(advantages and disadvantages).(10 Marks)
5. Give an account on staining of connective tissue fibers, their principles and
medical application. (10 Marks)
6. Discuss the pigmentation artifact that occurs due to fixation and how to avoid
and treat it.(9 Marks)
7. Enumerate: (12 Marks)
 - a. Steps of fixation of cells in Suspension.
 - b. three Antibodies labelling methods & describe in twopoints each one.
8. Define the followings: (10 Marks)
 - a. Molar solution.
 - b. Counter staining.
 - c. Regressive Mordants.
 - d. Differentiation.
 - e. Accelerators.
9. Mention the common technical causes of a poor blood smear. (9Marks)

Exam committee

Dr: Naglaa Sarhan, Nafisa Elbakary, Amany Mousa, Amal Abd El HAFEZ

GOOD LUCK

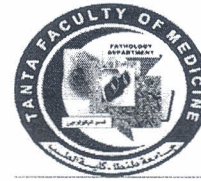
Examination for master degree in **Histology**

Course Title: Hist 8001

Date 17-8-2021

Term: Augest

Total assessment marks: 90



Tanta University

Faculty of medicine

Department of pathology

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

Examination for Master Degree in: Histology
Course Title: Histology (2nd paper)
Date: 6/11/2021
Code : HIST800
Term: Second part (October)
Time Allowed: Three hours
Total Assessment Marks: 270 Marks



Tanta University
Faculty of Medicine
Histology & Cell Biology
Department

Answer all questions and illustrate your answers with labeled diagrams.

- Q1. Compare between histological structures of different segments of gastric glands.** 30 Marks
- Q2. Hepatocytes are among the most functionally and structurally diverse cells of the body, explain this sentence.** 30 Marks
- Q 3. Give an account on:** 30Marks
- A. Blood air barrier**
 - B. Blood renal barrier**
- Q4. Difference between eccrine and apocrine sweat glands?** 30 Marks
- Q5. Describe the histological structure of adrenal cortex and differentiate histologically between the different types of its cells?** 30 Marks
- Q6. Describe the electron microscopic structure of mature sperm?** 20 Marks
- Q7. Discuss in details histological structure of different types of ovarian follicles in adult female?** 40 Marks
- Q8. Differentiate between the histological structure of:** 30 Marks
- A. Pacinian and Meissner's corpuscles (With reference of their specific locations).**
 - B. Different types of inner ear receptors.**
- Q9. Give an account of lentiform nucleus (Structure and main connection)** 30 Marks

Good Luck

Exam Committee

Prof. Dr. Abdel Moneim Farid Zamzam

Prof. Dr. Naglaa Ibrahim Sarhan

Prof. Dr. Azza Awad Abo Raya - Dr. Walaa Mohamed Elwan

Examination for Master Degree in: Histology
Course Title: Histology (First paper)
Date: 30/10 /2021
Code : HIST800
Term: Second part (October)
Time Allowed: Three hours
Total Assessment Marks: 270 Marks



Tanta University
Faculty of Medicine
Department of Histology and Cell Biology

Answer all questions and illustrate your answers with labeled diagrams.

1. Write short notes on the following: (50 mark)

A- Describe in details cytoplasmic organelles responsible for digestion and degradation of organic matter with special reference to autophagy.

B- Give an account on types of epithelial reticular cells with special reference to their role in blood thymic barrier.

2. List the classifications of synapses and discuss the structure of two types of synapses.(40 mark)

3. Give an account on blood capillaries with reference to their types and structure function relationship. (40 mark)

4. Give an account of stages of mitosis with special reference to specific checkpoints and cyclin dependent kinases. (35 mark)

5. Describe the histological structure of smooth muscle cells and mention their sites in different organs (35 mark)

6. Describe the histological structure of synovial joints. (35 mark)

7. Compare between the different types of myeloid tissue. (35 mark)

Good Luck

Exam Committee

Prof. Dr. Abdel Moneim Farid Zamzam

Prof. Dr. Naglaa Ibrahim Sarhan

Prof. Dr. Azza Awad Abo Raya

Dr. Walaa Mohamed Elwan