

**Final Exam. Medical Doctorate in Histology**  
**Course Title: General Histology**  
**Code: HIST900**  
**Date: 30/10/2021**  
**Time Allowed: Three hours**  
**Total Assessment Marks: 450 marks**



**Tanta University**  
**Faculty of Medicine**  
**Department of Histology**

**Answer all the following Questions**

**(Illustrate your answers with labeled diagrams):**

- Q1- Enumerate the three antibodies labeling methods & describe each one in two points. 30 marks
- Q2-Describe innervation of skeletal muscle and refer to the histological structure of myoneural junction. 60 marks
- Q3-Describe mucosa-associated lymphatic tissues and mention the different types and sites of lymphatic nodules. 50 marks
- Q4- Give an account on the importance of bone fixation prior to calcification, then discuss the histological structure of decalcified compact bone. 60 marks
- Q5-Describe in details cytoplasmic organelles responsible for digestion and degradation of organic matter with special reference to autophagy. 50 marks
- Q6- Discuss megakaryocytes with reference to development of blood platelets. 40 marks
- Q7-Give an account on channel proteins. 40 marks
- Q8. List the types of cells that support neuronal survival and activities and discuss the structure of those responsible for formation of the glial limiting membrane. 60 marks
- Q9- Give an account on: 60 marks
- a- Types and formation of elastic fibers. (20 for each)
  - b- The different structural lateral specializations of the cell reflecting specific cell function.
  - c- Different types of arteriovenous anastomosis.

**GOOD LUCK**

**Exam committee:**

Prof. Ehsan Farouk Salah/ Prof. Dr. Omayma Kamel Afifi / Prof. Dr. Naglaa Ibrahim Sarhan,

**Final Exam: Medical Doctorate in Histology**  
**Course Title: Special Histology**  
**Code: HIST900**  
**Date: 9/11/2021**  
**Time Allowed: Three hours**  
**Total Assessment Marks: 450 marks**



**Tanta University**  
**Faculty of Medicine**  
**Department of Histology**

**Answer all the following questions**  
**(illustrate your answers with labeled diagrams):**

- Q1-Describe structural changes at the junctions between different segments in GIT. **40 marks**
- Q2. Enumerate the non-dividing cells of the: **70 marks**  
a. Adult ovary. **(35 for each)**  
b. Adult testis.
- Then, describe in detail the histological structure (LM, EM) of one unique cell for each one of them.
- Q3. List different types of sensory receptors in different organs and discuss in details three of them in different organs **60 marks**
- Q4. Discuss the histological structure of two non-hormone producing cells in the pituitary gland. **60 marks**
- Q5. Discuss in details the structure of Bowman's capsule of the kidney by LM and EM with reference to blood-renal barrier. **60 marks**
- Q6. Discuss the histological structure of epithelial lining of biliary tract. **50 marks**
- Q7. Discuss in detail the histological structure of cellular pattern of respiratory epithelium **60 marks**
- Q8. Give an account of reticular formation with special reference to its structure, connections and function. **50 marks**

**Good Luck**

**Exam Committee:**

**Prof. Dr. Ehsan Farouk Salah / Prof. Dr. Omayma Kamel Afifi / Prof. Dr. Naglaa Ibrahim Sarhan**

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