

Examination for Master Degree in: Histology

Course Title: Histology (First paper)

Date: 19/10 /2019

Code: HIST 800

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 the following questions and illustrate your answers with diagrams**

- Q1-Describe in details cytoplasmic organelles responsible for digestion and degradation of organic matter with special reference to autophagy. 60Marks
- Q2- Describe structure and function of basement membrane with special reference to basal lamina. 20 Marks
- Q3- Enumerate transient cells of connective tissue and describe their structural characteristics 30 Marks
- Q4- Describe the histological structure of synovial joints 20 Marks
- Q5- Describe in details the histological characters of sarcoplasmic reticulum and T tubule of skeletal and cardiac muscle. 30marks
- Q6- Give an account on: 30 Marks  
A-Origin of platelets (Megakaryopoeisis).  
B-Types of capillaries.
- Q7- Identify the types of synaptic communication and discuss the structure of only one. 25 Marks
- Q8-Give an account on types of epithelial reticular cells with special reference to its role in blood thymic barrier. 25 Marks
- Q9-Give an account of stages of mitosis with special reference to specific checkpoints and cyclin dependent kinases. 30 marks

Chairman of Department  
Prof. NAGLAA SARHAN

GOOD LUCK