

Examination for Master Degree in: Orthopedic  
Course Title: Histology  
Date: 18/2/2018  
Term: February  
Time Allowed:  
Total Assessment Marks: 30 marks



Tanta University  
Faculty of Medicine  
Department of:  
Histology .....

Answer the following Questions (illustrate your answers with diagrams):

Questions Number	Marks
Q1 - Describe the histological structure and function of lysosomes.	6 marks
Q2 –Compare between different types of cartilage cells.	7Marks
Q3- Describe the light and electron microscopic structure of osteoclast.	6 Marks
Q4- Write a short note on the histological structure of thyroid follicle?	7 marks

**NB: The oral exam will be on Sunday 18 / 2 / 2018 at 1:00 PM.**

**GOOD LUCK**

Master degree examination in : Orthopedics

Code No., : Ortho- 8003

Date: 20/2/2018

Term: February 2018

Time allowed: \*\*\*\* hour

Total assessment marks: 60 marks



Tanta University  
Faculty of Medicine  
Pathology Department

---

## Questions number

- 1- **Write a brief account on:** ( 15 marks each )
  - a- Cystic bone lesions
  - b- Cartilage forming tumors (Chondroid tumors)
  - c- Necrosis
  
- 2- **Give short notes about:** ( 5 marks each )
  - a- Osteoporosis
  - b- Differentiation between benign and malignant tumors
  - c- Routes of distant metastasis

*Good Luck*

**Head of Pathology Department**

Prof. Afaf Elshafeay