



Tanta University  
Faculty of Medicine  
Department of Surgery  
Time allowed: 2 hours



MD Exam  
Pediatric Surgery  
Date: 17-8-2019  
(90 Marks)

**Semester 1**  
**(Embryology & Surgical Anatomy)**

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**All questions should be answered**

1-Embryology & Surgical Anatomy of the Pancreas. (45 marks)

2-Embryology & Surgical Anatomy of the Male Urethra. (45 marks)

- Good Luck -

Tanta University

Faculty of medicine

Department of Anatomy and Embryology



**ADVANCED EMBRYOLOGY FOR SECOND SEMESTER  
MEDICAL DOCTORATE IN ANATOMY & EMBRYOLOGY**

Date: (20 /8/2019)

Total marks: (30 Marks)

Time allowed: (3 hours) Numbers of questions: 6

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**ADVANCED EMBRYOLOGY FOR SECOND  
SEMESTER MEDICAL DOCTORATE IN  
ANATOMY & EMBRYOLOGY**

**All questions to be answered**

1. Explain the birth defects involving the pharyngeal region. (6 marks)
2. Explain the development of sympathetic nervous system. (5 marks)
3. Discuss the cranial defects (brain malformation) caused by gene mutation. (5 marks)
4. Discuss the development of saccule, cochlea and organ of Corti and explain the causes of congenital deafness. (5 marks)
5. Discuss the development of the lens with its molecular regulation and explain its congenital anomalies. (5 marks)
6. Discuss the development of the skin epidermis and explain the pigmentary disorders. (4 marks)

**END OF EXAMINATION**

**Best Wishes**

**Committee of exam:**

Prof. Dr. Manal EL Sawaf, Prof. Dr. Mona Attia and Prof. Dr. Maysa Fahmy

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**ELECTIVE COURSES FOR SECOND SEMESTER  
MEDICAL DOCTORATE IN ANATOMY & EMBRYOLOGY**

Date: 27/8/2019 Total marks: (60 Marks)

Time allowed: (Three hours) Numbers of questions: 6

**ELECTIVE COURSES FOR SECOND SEMESTER  
(MEDICAL DOCTORATE IN ANATOMY & EMBRYOLOGY)**

**COMPARATIVE ANATOMY (30 MARKS):**

1. A. Define the comparative anatomy. (5 marks)  
B. List the uses of the comparative anatomy. (5 marks)
2. Summarize the classification of animals. (10 marks)
3. A. Mention general notes on the mammalian skeletal system. (5 marks)  
B. Describe the digestive system in Omnivores. (5 marks)

**BIOLOGICAL ANTHROPOLOGY (30 MARKS):**

4. Mention the definition of the following (10 marks):
  - A. Anthropology and its subfields. (4 marks)
  - B. Anthropometry. (3 marks)
  - C. Biometrics. (1.5 marks)
  - D. Aesthetic. (1.5 marks)
5. Discuss the applications of anthropometry in the following (10 marks):
  - A. Medical science. (5 marks)
  - B. Forensic and criminology. (5 marks)
6. A. Define the dermatographic and its correlation with genetic conditions. (5 marks)  
B. Define the iris recognition and its advantages. (5 marks)

**END OF EXAMINATION WITH BEST WISHES**

**Committee of exam:**

**Prof. Dr. Manal EL Sawaf, Prof. Dr. Mona Attia and Prof. Dr. Maysa Fahmy**