

Tanta University

Number questions:4

Faculty of medicine

Time allowed: 3 hours

Physical medicine, rheumatology


total marks: 45 marks

&rehabilitation department

1<sup>st</sup> part MSC physics (first semester)

All questions to be answered

1. Discuss therapeutic effects ,indications and contraindications of magnetic field therapy  
**(15 marks)**
2. Mention **(10 marks)**
  - a) Methods of application of laser therapy
  - b) Types of short wave electrodes
3. Give an account on electro analgesic currents **(10 marks)**
4. Give an account on contraindications of : **(10 marks)**
  - a) Deep heat therapy
  - b) Laser therapy

<b>Tanta university faculty of Medicine Anesthesia &amp; SICU Date 18/2/2018</b>	<b>Master 1st part of physic &amp; measurement Time allowed 3 hours Total marks 45</b>	
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**1--Explain venturi principle and its application in general anaesthesia**

**(5marks)**

**2-Demonstrate modes of ultrasound & its uses in clinical practice**

**(5marks)**

**3- - Draw, label and discuss normal capnogram then interpret abnormal curves during anaesthesia**

**(10marks)**

**4-- Demonstrate advantages and disadvantages of low flow breathing systems and what are the safe guards you require when they are used**

**(10marks)**

**5- Explain physical principles of laminar and turbulent flow and their clinical applications**

**(5 marks)**

**6- Classify vaporizers and explain safety features incorporated into vaporizers**

**(5marks)**

**7 –Differentiate between depolarizing and non-depolarizing agents by the peripheral nerve stimulator**

**(5marks)**

**Good luck**

**Oral exam**

**From 1 to 10 Sunday 25/2/2018**

**From 11 to 20 Monday 26/2/2018**

**Tanta university**  
**Faculty of medicine**  
**Department of Anatomy and Embryology**



**ANATOMY EXAM FOR MASTER AND DIPLOMA DEGREE OF  
FORENSIC MEDICINE & CLINICAL TOXICOLOGY**

Date: 18 /2/2018

Total marks: 30 Marks

Time allowed (three hours)

**FORENSIC MEDICINE & CLINICAL TOXICOLOGY**

**All questions to be answered**

**Illustrate your answer with diagram whenever possible:**

1. **Mention** the main functional areas of the four lobes of the brain. ( 6 marks)
2. **A. Describe** the lines of the orientations of the thorax . (3marks)  
**B. Discuss** shortly the contents of the posterior mediasinum. (3 marks)
3. **Enumerate** the structures at the root of the neck. (6 marks)
4. **A. Enumerate** the arterial supply of the gut. (3 marks)  
**B. Enumerate** the layers of the anterior abdominal wall (3 marks)
5. **A. Origin** of the gluteal nerves and the effects of its injury. (3 marks)  
**B. Origin and branches** of the median nerve and the effects of its injury. (3 marks)

**END OF THE EXAM**

**Oral Examination: Tuesday 20<sup>th</sup> Feb 2018 after written exam.**  
**in the Anatomy Department (Second floor)**

**Best Wishes**  
**Chairman of Anatomy Department**  
**Prof.dr. Magdy Said**

**Tanta university**

**Faculty of medicine**

**Department of Anatomy and Embryology**



**ANATOMY EXAM. FOR DIPLOMA & MASTER DEGREE OF PHYSICAL  
MEDICINE, RHEUMATOLOGY AND REHABILITATION**

Date: 18 /2/2018

Total marks: 45 Marks

Time allowed (three hours)

**PHYSICAL MEDICINE**

**All questions to be answered**

**Illustrate your answer with diagram whenever possible:**

1. Structures passing through the carpal tunnel and its applied anatomy (7 marks ).
2. Anatomy of muscles of facial expression. Mention the course and branches of facial nerve , add a note on the outlines of Bell's palsy (9 marks ) .
3. Compartments of the extensor retinaculum of the hand (7 marks ) .
4. Extra and intraarticular ligaments of knee joint (7 marks ) .
5. Anatomical events at the medullospinal junction (7marks ) .
6. Surfaces and arterial supply of the cerebellum (8 marks ) .

**END OF THE EXAM**

**Oral Examination: sunday 25<sup>th</sup> Feb 2018 at 10 am.**  
**in the Anatomy Department (Second floor)**

**With My Best Wishes**  
**Chairman of Anatomy Department**  
**Prof.dr. Magdy Said**