

Tanta University

Faculty of Medicine

Physical Medicine Department

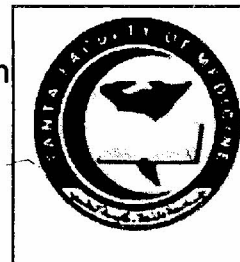
April 6, 2013

Physical Medicine Written Exam

Number of Questions: 7

Time allowed: 3 hours

Total: 100 Marks



Physics M.sc and Diploma

1-Give an account on:

a- Classification of laser according to power.

b-Physiological effects of laser.

c-Therapeutic indications of laser.

(15 marks)

2-Complete the followings:

a- Treatment time of moist heat packs is -----.

b- The Kenny packs were originally developed for patients with----- to relieve -----.

c- Methods of heat conduction in fluid therapy are-----.

d- The infrared is subdivided into ----- with wave lengths from ----- to -----and ----- with wave lengths from -----to-----.

e- Sources of infrared are ----- and -----.

(15 marks)

3- Discuss:

a- Physiological effects of short wave therapy.

b- Types of short wave electrodes.

(10 marks)

4- Recognize:

a- Physical properties and mode of application of pulsed magnetic therapy.

b- Effect of pulsed magnetic field therapy on bone, nerve and muscles.

(15 marks)

5-a) Give an account on diadynamic currents, characteristics of each.

b) Mention:

1-How many currents interferential current is formed of?

2- Frequency of interferential current.

3- Draw interferential current.

(15 marks)

6-a) Mention physiological effects of ultrasound waves.

b) Differentiate different types of ultrasound therapy and their indications.

(15 marks)

7-Mention:

a- Contraindications of electrotherapy.

b-Which of the following is not an indication of electrotherapy:

1-muscle strengthening

2-wound healing

3-fresh fractures

4-treatment of painful conditions

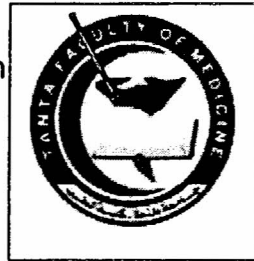
c- Galvanic current parameters, mechanism of action and indications of its use.

(15 marks)

Good luck

Tanta University
Faculty of Medicine
Physical Medicine Department
April 10, 2013

Physical Medicine Written Exam
Number of Questions: 4
Time allowed: 3 hours
Total: 100 Marks



M.Sc paper II

1-Discuss the following:

- a-Normal and abnormal MUAP.
- b- Electrodiagnosis of peripheral nerve lesions.

(25marks)

2- Give an account on the following:

- a-Short leg brace.
- b-SACH foot.

(25marks)

3-Discuss the following:

- a-Wasting of deltoid muscle.
- b-Dupuytren's Contracture.

(25marks)

4-Mention contraindications of the following:

- a-Electrotherapy.
- b-Magnetic field therapy.
- c- Spinal traction.

(25marks)

Good luck

Tanta University
Faculty of Medicine
Physical Medicine Department
April 8, 2013

Physical Medicine Written Exam
Number of Questions: 4
Time allowed: 3 hours
Total: 100 Marks

M.Sc and Diploma paper I

1-Discuss diagnosis and treatment of idiopathic scoliosis.

(25marks)

2- Give an account on rehabilitation of spastic equinus deformity of the foot

(25marks)

3-Mention diagnostic criteria of:

a) Acute gouty arthritis.

b) Systemic lupus erythrematosus.

c) Fibromyalgia.

(25marks)

4-Differentiate causes of painful elbow and its management.

(25marks)

Good luck