

## M.D Applied Anatomy & Physiology

### All questions to be answered:

#### **Applied Anatomy**

- 1- Discuss muscles responsible for scapular movements.
- 2- Give an account on motor points of nerves and muscles of both upper and lower limbs.

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#### **Applied physiology**

#### **Discuss the following:**

- 1) Edema.
- 2) Factors affecting food intake.
- 3) Factors affecting neuromuscular transmission.
- 4) Physical fitness.

***Good luck***

April exam, 2012  
Time allowed 3 hours

Tanta University  
Faculty of medicine

**M.D in Physical Medicine, Rheumatology & Rehabilitation**  
**(Paper 2)**

All questions to be answered:

1- Give an account on the following:

- Electrodiagnosis of micturation and sexual disorders.
- Advanced methods in diagnosis of S1 radiculopathy.

2- Discuss obesity and it`s management.

3- Give an account on the following :

- Intermittent positive pressure therapy.
- Psychosocial management of rheumatic diseases.

*Central part*

4- Discuss orthotics of lower limb in cases of:

- Spinal cord lesions.
- Total hip joint replacement.
- Neuropathies and vascular disorders.

**Good luck**

April exam, 2012  
Time allowed 3 hours

Tanta University  
Faculty of medicine

**M.D in Physical Medicine, Rheumatology & Rehabilitation**  
**(Paper 1)**

All questions to be answered:

1- Discuss rôle of lymphokines and growth factors in rheumatic diseases.

2- Give an account on familial auto-inflammatory syndromes.

3- Give an account on the following:

• Musculoskeletal system changes with aging.

• Sodium hyaluronate .

4-Give an account on the following:

• Role of diagnostic ultrasonography in rheumatic diseases.

• Psychosocial management of rheumatic diseases.

**Good luck**