

**DIPLOMA IN PHYSICAL MEDICINE AND REHABILITATION  
(D.PHYS.MED.) EXAMINATION**

**APPLIED BASIC SCIENCES IN RELATION TO PHYSICAL  
MEDICINE AND REHABILITATION**

*Q.P.Code: 343068*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Structure and Function of skeletal muscle in detail. Explain length tension relationship in skeletal muscle.
2. Describe various components in the structure, innervation and physiological functions of the urinary bladder.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Benzodiazepines.
2. Course of Facial nerve and possible lesions in its pathway.
3. Carpal tunnel.
4. Atherosclerosis.
5. Passive insufficiency of tendons.
6. Spasticity.
7. Aspirin.
8. Fibrillation potential.
9. Renal function tests.
10. Stages in wound healing.

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