

**M.D. DEGREE EXAMINATION**

**BRANCH XIX – PHYSICAL MEDICINE AND REHABILITATION**

**PAPER IV – PHYSICAL MEDICINE AND REHABILITATION – III**

**(RECENT ADVANCES IN REHABILITATION AND COMMUNITY  
BASED REHABILITATION)**

*Q.P.Code: 202074*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the recent advances in the pharmacological management of spasticity.
2. Describe the recent advances in prosthetic techniques that could be utilized for rehabilitation management of a young active transfemoral amputee?

**II. Write notes on:**

**(10 x 7 = 70)**

1. Urethral pressure profile.
2. Control mechanisms of upper extremity prosthesis.
3. Spinal cord stimulation to control intractable leg pain.
4. Vocational rehabilitation of a paraplegic.
5. Infliximab.
6. Halovest.
7. Receptors in the bladder.
8. Brain plasticity.
9. Vertebroplasty.
10. Bionic hands and Neuroprosthesis.

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