

**THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY**

**[BPT 1123]**

**NOVEMBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 6281**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER I – ELECTROTHERAPY – I (LOW & MEDIUM FREQUENCY)**

***Q.P. Code: 746281***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What is Strength Duration Curve? Discuss in detail about the procedure of doing Strength Duration Curve.
2. Define Biofeedback. Discuss in detail about its advantages and disadvantages.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Faradic foot bath.
2. Deltoid inhibition.
3. Voltmeter.
4. Propagation of Action Potential.
5. Nerve conduction test.
6. Electrotherapy management of Bell's palsy.
7. Sunderland's classification of nerve injuries.
8. Diadynamic current.
9. Wrist drop.
10. Uses of Transformer.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Refractory period.
2. Wallerian degeneration.
3. Ohm's law.
4. Skin resistance reduction procedure.
5. Nerve conduction velocity.
6. Fuse.
7. Tinel's Sign.
8. Fibrillation Potential.
9. Saturday night Palsy.
10. Pain Modulation.

\*\*\*\*\*