

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

**[BPT 0622]**

**JUNE 2022  
(FEBRUARY 2022 EXAM SESSION)**

**Sub. Code: 6259**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulations of 2004-2005 and 2006-2007 are merged with 2010-2011)  
PAPER I – ELECTROTHERAPY – I (LMF)  
Q.P. Code : 746259**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. What is S-D Curve? What is the Procedure of doing S-D Curve? Describe the characteristics of curve in Peripheral Nerve Lesions. Add a note on its uses.
2. Define Iontophoresis. Write the physical principle of Iontophoresis. Name the ions used in treating Hyperhidrosis and explain the treatment procedure for the same.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Pain pathway.
2. Deltoid Inhibition.
3. Transformer – Types and its uses.
4. Recording Electrodes in EMG.
5. Earth shock.
6. Propagation of Action Potential.
7. Faradism under pressure.
8. Facial Palsy.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Motor Unit.
2. Chronaxie.
3. FES.
4. Advantages and uses of IFT.
5. Smart Bristow Faradic Coil.
6. Rheostat and its uses.
7. Sinusoidal Current.
8. Difference between Facial and Bell's palsy.
9. Pulse duration.
10. Maximum Voluntary Isometric Contraction.

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