

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

**[BPT 0122]**

**JANUARY 2022  
(AUGUST 2021 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. Define Pain. What are Types of pain? Describe about Theories of Pain. Add note on Modes of TENS used for pain.
2. Define Interrupted Galvanic Current. Describe effects of Interrupted Galvanic Current on Innervated and Denervated muscles, Differentiate Faradic from Galvanic current.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Action potential.
2. Nerve conduction test.
3. Surging of Faradic Current.
4. High voltage pulsed galvanic current.
5. Treatment parameters of interferential therapy.
6. EMG biofeedback.
7. Ions used in Iontophoresis and their clinical indication.
8. Foot drop.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Types of nerve fibers.
2. Erbs palsy.
3. F – wave.
4. What are Medium frequency currents.
5. Synapse.
6. Fuses.
7. Lenz law.
8. Nerve injuries.
9. Contraindications of Iontophoresis.
10. Beat frequency.

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