

February 2012

[LA 6259]

Sub. Code: 6259

**BACHELOR OF PHYSIOTHERAPY EXAMINATION
THIRD YEAR****PAPER I – ELECTROTHERAPY I (LMF)***Q.P. Code: 746259***Time: Three Hours****Maximum: 100 marks****Answer ALL questions****I. Elaborate on:****(2 x 20 = 40)**

1. Define Iontophoresis. What type of current is used in Iontophoresis?
Describe the mechanism of Iontophoresis and the therapeutic uses.
2. Describe the current parameters used in the different types of TENS?
How does pain modulation occur in each type of TENS? Which type of TENS is best in chronic pain management?

II. Write notes on:**(8 x 5 = 40)**

1. Physiological effects of Interferential Current.
2. Electromagnetic Induction.
3. Electric shock.
4. Diadynamic Current.
5. Describe the clinical implication of SD curve test.
6. Sinusoidal current.
7. Production of therapeutic Ultrasound.
8. Working of Smart Bristow Faradic Coil.

III. Short Answers:**(10 x 2 = 20)**

1. Capacitance.
2. Principles of Biofeedback.
3. Semiconductors.
4. Chronaxie.
5. Fuse.
6. Motor point and Motor unit.
7. Classification of Nerve Injury.
8. Stimulation of denervated muscle.
9. Ohm's law.
10. Checking of apparatus for Electrical muscle stimulation.
