

[LC 6259]

FEBRUARY 2013

Sub. Code: 6259

THIRD YEAR BPT EXAM

PAPER I – ELECTROTHERAPY – I (LMF)

*Q.P. Code: 746259*

**Time: Three Hours**  
**(180 Min)**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X20=40)**

1. Define Interferential therapy (IFT). Describe the methods of application and the Physiological effects of IFT? Add a note on Contraindications of IFT.
2. Define Interrupted Direct Current (IDC). Describe the effects of IDC on Innervated and Denervated muscle. Differentiate Faradic from IDC.

**II. Write notes on:**

**(8X5=40)**

1. Production of Electromagnetic waves.
2. Pain modulation.
3. Galvanic tetanus ratio.
4. Methods of application of Ultrasound.
5. Moving coil Galvanometer.
6. Surge.
7. Uses of Transformer.
8. Therapeutic effects of High Voltage Pulsed Galvanic Current.

**III. Short Answers:**

**(10X2=20)**

1. Diode valve.
2. H reflex.
3. Feedback Loop.
4. Mutual induction.
5. Ions used in Iontophoresis.
6. Resistance in series and parallel.
7. Nerve conduction test.
8. Describe the type of TENS used for acute pain.
9. Dangers of Iontophoresis.
10. Lenz's law.

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