

[LF 6259]

AUGUST 2014

Sub. Code: 6259

**THIRD YEAR BPT EXAM
PAPER I – ELECTROTHERAPY – I (LMF)**

Q.P. Code : 746259

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Define Faradic current. Describe the Physiological effects and Therapeutic effects of Faradic current.
2. Define Interferential current. Describe the Parameters and Therapeutic effects of Interferential current.

II. Write Notes on:

(8X5=40)

1. Propagation of Action potential.
2. Gate control theory.
3. Burst mode TENS.
4. Principles of Biofeedback.
5. Strength-Duration Curve in Peripheral Nerve Injury.
6. Motor Nerve Conduction test.
7. Testing the Electrical Stimulator apparatus.
8. Contraindications of Iontophoresis.

III. Short Answer:

(10X2=20)

1. Waveforms used in Interrupted direct current.
2. Dangers of Interferential current.
3. Sinusoidal current.
4. Advantages of TENS.
5. Recording electrodes in Electromyography.
6. Difference between F-wave and H reflex.
7. Physics of Iontophoresis.
8. Earth shock.
9. Motor unit.
10. Effects of Interrupted direct current on innervated and denervated muscle.
