

[LL 6259]

AUGUST 2017

Sub. Code: 6259

**BPT DEGREE EXAMINATION  
THIRD YEAR  
PAPER I – ELECTROTHERAPY – I (LMF)**

*Q.P. Code : 746259*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Iontophoresis. Write the physical principle of Iontophoresis. Name the ion used in treating idiopathic hyperhidrosis and explain the treatment procedure of the same.
2. Define Interferential therapy. What is frequency sweep in Interferential therapy? Describe the methods of application and therapeutic effects of Interferential therapy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Types of transcutaneous electrical nerve stimulation.
2. Neuropraxia.
3. Electrotherapy management of Bell's palsy.
4. Functional electrical stimulation.
5. Interrupted direct current.
6. Moving – coil milliamperemeter.
7. Types and production of faradic current.
8. Describe the electrotherapy modalities used to strengthen the muscle.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Masking effect.
2. Motor unit.
3. Rheobase.
4. Erythema.
5. Latent period.
6. Triode valve.
7. Feedback loop.
8. Cathode.
9. Joule's law.
10. Advantages and disadvantages of strength duration curve.

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