

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 6259]

AUGUST 2018

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 Bio-feed back. Describe in detail, the principles and uses of Bio-feed back.
2. Working of Smart Bristo coil and physiological effects of Faradic current.

II. Write notes on:

(8 x 5 = 40)

1. Treatment method of application of TENS for low back pain.
2. Ammeter.
3. Dangers and preventions of therapeutic currents.
4. Explain in detail on Pain gate theory.
5. Treatment method for radial nerve palsy.
6. Faradism under pressure.
7. Nerve conduction test.
8. Physiological effects of IFT.

III. Short answer on:

(10 x 2 = 20)

1. Rheobase.
2. Checking of apparatus for EMS.
3. S.D. curve.
4. Russian current.
5. Electro myography.
6. Ions used in inotophoresis.
7. Uses of transformer.
8. F wave.
9. Joule's law.
10. Hyper hydrosis.
