

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

[LO 6260]

FEBRUARY 2019

Sub. Code: 6260

**BPT DEGREE EXAMINATION
THIRD YEAR
PAPER II – ELECTROTHERAPY – II (HF)**

Q.P. Code : 746260

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about principles, application, types and therapeutic effects of LASER.
2. Write about the non luminous and luminous generators of IRR, its therapeutic and physiological effects.

II. Write notes on:

(8 x 5 = 40)

1. Piezo electric effect.
2. Pain Gate Theory.
3. Pulsed shortwave.
4. Electromagnetic Spectrum.
5. Use of UVR in Alopecia.
6. Microwave diathermy.
7. Condenser field method.
8. Lewis hunting reaction.

III. Short answers on:

(10 x 2 = 20)

1. Fuse.
2. Magnetron.
3. Test dose.
4. Pulse repetition rate.
5. Grid.
6. Methods of application of ultrasound.
7. Phonophoresis.
8. Laws governing radiation.
9. Ulcer.
10. Electrode spacing in condenser field method.
