

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

[BPT 0122]

**JANUARY 2022
(AUGUST 2021 EXAM SESSION)**

Sub. Code: 6260

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR - (Regulations of 2004-2005 and 2006-2007 are merged with 2010-2011)
PAPER II – ELECTROTHERAPY – II (HF)
*Q.P. Code : 746260***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Ultrasound. Explain the production, physiological effects and therapeutic effects of Ultrasound, add note on Clinical application of Ultra Sound.
2. Define Microwave Diathermy. Explain in detail about the Indications, Contraindications, Production, Physiological & Therapeutic effects and its dangers.

II. Write notes on:

(8 x 5 = 40)

1. Cryo stretch.
2. Theories of pain.
3. Techniques of applications of liquid Paraffin WAX bath.
4. Discuss the properties of Electricity.
5. Physiological effects of heat.
6. Hydro collator packs.
7. Properties and Production of LASER.
8. Hubbard tank.

III. Short answers on:

(10 x 2 = 20)

1. Electric burn.
2. Triode valve.
3. Nodes & Antinodes.
4. Care of UVR lamp.
5. What is Pulsed Electro Magnetic energy.
6. Dangers of cryotherapy.
7. IRR.
8. Inverse square law.
9. Theraktin tunnel.
10. Lewis – hunting reaction.
