

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

**[BPT 1123]**

**NOVEMBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 6282**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER II – ELECTROTHERAPY – II (HIGH FREQ & ACTINOTHERAPY)**

*Q.P. Code: 746282*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Mechanism of ultrasound production and methods and application for different conditions with therapeutic parameters.
2. Describe in detail about principles and therapeutic effects of Pulsed Short wave Diathermy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Properties of LASER.
2. Explain cable field method in Short wave Diathermy.
3. Radiation energy and its properties.
4. Physiological effects of Infra Red radiations.
5. Theraktin tunnel.
6. Microwave Diathermy.
7. Biophysics of cryotherapy.
8. Kromayer lamp.
9. Physiological effects of wax therapy.
10. Treatments for ulcers.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Structure of skin.
2. Laws of refraction.
3. Precautions of Ultra violet radiations.
4. Ice massage.
5. Contrast Bath.
6. Psoriasis.
7. Cooling of lamp.
8. Ohms Law.
9. Indications and contraindications of Microwave Diathermy.
10. Preparation of short wave diathermy machine.

\*\*\*\*\*