

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

[BPT 0122]

**JANUARY 2022
(AUGUST 2021 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. Define Ultrasound. Explain the Production, Physiological effects and Therapeutic effects of Ultrasound, add note on Clinical application of Therapeutic Ultra sound.
2. Define Infra Red Radiation. Write about the luminous and non luminous generators of IRR, and its physiological & therapeutic effects. Mention about precautions of IRR.

II. Write notes on:

(10 x 5 = 50)

1. Difference between Capacitance and Inductance.
2. Ruby LASER.
3. Indications and contraindications of Contrast Bath.
4. Production of SWD and its uses.
5. Modalities of treatment and dosage for Psoriasis.
6. Methods of application of Wax therapy.
7. Cryokinetics.
8. Laws governing Radiation.
9. Physiological effects of Microwave Diathermy.
10. Modalities for Osteoarthritis Knee.

III. Short answer 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. Joule's law.
7. Types of pain Contra indications of MWD.
8. Whirl pool bath.
9. Electro magnetic spectrum.
10. Duty Cycle.
