

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

[BPT 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 6260

**BPT DEGREE EXAMINATION
THIRD YEAR - (Regulations of 2004-2005 and 2006-2007 admitted candidates 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. Describe detail about the Ultrasound production & its physiological effects, dosage for chronic pain?
2. Write detail about Composition of Wax bath Therapy unit, Methods of application of Wax, Physiological & Therapeutic effects, indications & contraindication, dangers.

II. Write notes on:

(8 x 5 = 40)

1. Modulation of pain transmission.
2. Physiological effects of cold.
3. Safety precautions of LASER.
4. Test dosage calculation in UVR.
5. Near field, Far field in US therapy.
6. Therapeutic effects, duration & frequency of treatment, indication of IRR.
7. Types of SWD Electrode, Placement & Spacing Electrodes.
8. Micro wave Diathermy.

III. Short answers on:

(10 x 2 = 20)

1. Define wavelength (λ).
2. Coupling agents.
3. Piezo Electric effects.
4. What is contraplanar method?
5. Magnetron.
6. Types of laser.
7. Define Moist heat.
8. Causes for burns following SWD.
9. Cold sensitivity.
10. E-2 dose of UVR.
