

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
BPT SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JULY, 2025

ELECTROTHERAPY-II
(High Frequency)

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams wherever necessary

Write an essay on the following:

2 X 10 = 20

1. a) Discuss in details the indications, contraindications and methods of application of Paraffin Wax.

OR

- b) Explain in details about production of UV-Rays. Mention physiological effects, indications and contra-indications of Ultraviolet Irradiation.

2. a) What are the physical properties of Ultrasound? Describe their physiological effects.

OR

- b) Describe the production Short Wave Diathermy and discuss about the placement and positioning of electrodes to achieve even Heating.

Write a short note on the following:

8 X 5 = 40

3. Define Sensitisers. Mention various agents which act as Sensitisers.
4. Write physiological effects and therapeutic uses of Cold Therapy.
5. Write short note on Microwave Diathermy.
6. Electromagnetic Spectrum.
7. Explain physical effects of Heat.
8. Dosage in Ultrasound.
9. Compare and contrast the effects of Heat and Cold.
10. Compare and contrast UVR & IRR.

Write briefly on the following:

10 X 2 = 20

11. Effects of SWD on Relief of Pain.
12. Diode valve.
13. Fluido therapy.
14. Factors determining the capacity of an object.
15. Cosine law.
16. Properties Magnets.
17. Whirlpool Bath.
18. Cavitation in Ultrasound.
19. Combination Therapy.
20. Interaction of LASER with Body Tissues.
