

Second Year BPT Degree Supplementary Examinations March 2018

**ELECTROTHERAPY
(2010 Scheme)**

Time: 3 hrs

Max marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain the methods of plotting SD curve. Discuss the SD curve characters of normally innervated, partially innervated and completely denervated muscle.
2. Discuss about the principles and production of ultrasound and its therapeutic and physiological effects.

Short notes

(10x5=50)

3. Resistance in series and parallel.
4. UVR test dosage calculation.
5. Methods of application - whirl pool bath.
6. Physiological effects of cryotherapy.
7. Indications, contraindications and dangers of wax bath.
8. Explain the various modes of heat transfer in to human body.
9. Static and dynamic interference system of Interferential therapy.
10. Discuss any two theories of pain.
11. H reflex.
12. Iontophoresis

Answer briefly

(10x3=30)

13. Classifications of LASER.
14. Latent heat.
15. Hydro collator pack.
16. Wavelength and frequency of micro wave diathermy.
17. Beat frequency.
18. Bio-feedback.
19. Resting membrane potential.
20. Faradic current.
21. Ohms law.
22. Fuse.
