

**Second Year BPT Degree Supplementary Examinations
September 2018**

**Electrotherapy
(2010 Scheme)**

Time: 3 hrs

Max marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define TENS and its types. Explain the dosage parameters, physiological & therapeutic effects, indications & contraindications of TENS.
2. Principles of production of LASER and explain various methods of application of LASER.

Short notes

(10x5=50)

3. Prevention and management of electrical & chemical burns.
4. Construction and working of transformers.
5. Diadynamic current.
6. Dangers of UVR.
7. Phonophoresis.
8. Therapeutic uses, Indications and contraindications of fluidotherapy.
9. Therapeutic uses of EMG bio-feed back.
10. Various methods of application of ultrasound therapy.
11. Principles of wax therapy application.
12. Whirl pool bath.

Answer briefly

(10x3=30)

13. Piezo electric effects.
14. Micro wave diathermy.
15. Frequency and wavelength of SWD.
16. Cryotherapy.
17. Chronaxie.
18. Ampere.
19. Shock.
20. Hyperhidrosis.
21. Synapse.
22. Importance of skin resistance lowering.
