

**Second Year BPT Degree Supplementary Examinations
September 2019**

Electrotherapy

(2012 Scheme)

Time: 3 hrs

Max marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x14=28)

1. Define piezo electric effect. Explain the production and the techniques of application of ultrasound therapy. Add a note on phonophoresis. (2+5+5+2)
2. Define LASER. Mention the types of LASER. Explain production of LASER. Add a note on its physiological and therapeutic effects. (2+2+5+5)

Short notes

(4x8=32)

3. Methods of application of hydro collator packs.
4. Explain the types of TENS and its physiological and therapeutic effects. (4+4)
5. Physiological and therapeutic effects of faradic currents.
6. Define latent heat. Explain the composition of the wax bath therapy unit and the different methods of application of wax therapy. (2+2+4)

Answer briefly

(10x4=40)

7. Procedure of contrast bath application.
8. Indications and contraindications of IRR.
9. Discuss the effect of galvanic current on normally innervated and denervated muscles.
10. Piezo-electric Effect
11. Explain the indications, contraindications and uses of cyclotherm.
12. Parameters and therapeutic effects of Russian currents.
13. What is tissue impedance. Explain the methods of lowering tissue resistance.
14. Explain the uses of microwave diathermy
15. Therapeutic uses of whirlpool bath
16. Contraindications and precautions of cryotherapy.
