

Q.P. Code: 211014 (New Scheme)

Reg. No.:.....

Second Year BPT Degree Examinations August 2017**ELECTROTHERAPY
(2012 Scheme)****Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays**(2x14=28)**

1. Define short wave diathermy (SWD). Explain in detail the various methods of application and the physiological effects SWD. Add a note on the contraindications for SWD. (2+6+4+2=14)
2. Describe F-G test. Elaborate the technique of plotting a strength-duration (S-D) curve and interpret the findings. Add a note on the merits and demerits of S-D curve. (2+6+2+2+2=14)

Short notes**(4x8=32)**

3. Explain contrast bath with methods of application and benefits. Mention the indications and contraindications.
4. Therapeutic benefits of application of superficial heating versus cryotherapy.
5. Principles and production of LASER
6. Physiological and therapeutic effects of ultrasound therapy.

Answer briefly**(10x4=40)**

7. Pain gate theory.
8. Methods of cryotherapy application.
9. Anodal and cathodal galvanism.
10. Base and spectrum in interferential therapy (IFT).
11. Physiological effects of ultra-violet radiation (UVR)
12. Therapeutic benefits of moist heat therapy.
13. Production of micro wave diathermy (MWD)
14. Electro-magnetic spectrum.
15. Method of application of cyclotherm.
16. Therapeutic benefits of pulsed ultrasound therapy.
