

Second Year BPT Degree Supplementary Examinations – March 2017

**ELECTROTHERAPY
(2012 Scheme)**

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x14=28)

1. Define pain. Explain in detail the gate control theory of theory of pain. Add a note on the mechanism of pain relief while using high and low TENS. (2+10+2=14)
2. Explain the production of SWD with a circuit diagram, list out the contraindications and dangers of SWD. Discuss about the importance of spacing of electrodes when using SWD. (8+3+3=14)

Short notes

(4x8=32)

3. Define UVR. Mention the types of UVR. Explain PUVA apparatus. (2+2+4=8)
4. Physiological and therapeutic effects of cryotherapy.
5. Therapeutic effects of faradic current
6. Define iontophoresis. Explain the technique of application of iontophoresis in the treatment of hyperhydrosis.

Answer briefly

(10x4=40)

7. Types of IRR generators.
8. Methods of application of ultrasound therapy.
9. Rebox type current.
10. Diadynamic currents.
11. Briefly explain the use of biofeedback in physiotherapy.
12. Explain the methods of lowering electrical resistance of skin surface.
13. Fluidotherapy.
14. Define rheobase and chronaxie, explain its significance in electrodiagnosis.
15. Russian currents
16. Types of transformers
