

Second Year BPT Degree Supplementary Examinations August 2017

**ELECTROTHERAPY
(2010 Scheme)**

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define pain. Explain the theories of pain and the gate control theory in detail.
2. Explain with a diagram the production of short wave diathermy and its physiological and therapeutic effects.

Short notes

(10x5=50)

3. Explain the methods of application of wax therapy with its physiological effects.
4. Explain the production of UVR in high pressure mercury vapour lamp.
5. What is anodal and cathodal galvanism.
6. What is hyperhydrosis. Explain the treatment for the same using Iontophoresis.
7. Explain FG test and its clinical importance.
8. Define phonophoresis. Explain its method of application and commonly used drugs.
9. Diadynamic currents.
10. Describe electrode tissue interface.
11. Explain the types of TENS with its parameters.
12. Explain static and dynamic interference system in Interferential current therapy.

Answer briefly

(10x3=30)

13. Contraindications for using hydrocollator packs
14. What is faradic re-education.
15. Define acoustic streaming in ultrasound therapy.
16. Define rheobase and chronaxie.
17. Uses of whirlpool therapy.
18. What are eddy currents.
19. Therapeutic uses of fluidotherapy
20. Uses of biofeedback.
21. Indications of high voltage pulsed galvanic stimulation.
22. What are rebox currents.
