

**Second Year BPT Degree Supplementary Examinations - September 2014
(2010 Scheme)**

ELECTROTHERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. What is therapeutic ultrasound. Explain and illustrate the production of ultrasound.
Mention the indications and contraindications of ultrasound.
2. Define pain. Enumerate the different theories of pain. Illustrate and explain in detail the pain gate theory.

Short notes

(10x5=50)

3. Methods of application of cryotherapy.
4. Technique of faradism under pressure.
5. Russian currents
6. Physiological effects of heat
7. Kromayer lamp
8. Define faradic galvanic test. Mention the importance, advantages and disadvantages of this technique.
9. What are the factors that influence iontophoresis.
10. Coupling media.
11. Effects of stimulation on denervated muscle
12. Inductothermy

Answer briefly

(10x3=30)

13. Dangers of short wave diathermy
14. Dynamic interference system in interferential current
15. Phonophoresis
16. Chronaxie
17. Latent heat
18. Shock
19. Conventional TENS
20. Cosine law and its application
21. List out four dangers of infra red radiation
22. Triode valve
