

Second Year BPT Degree Supplementary Examinations - April 2014

ELECTROTHERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define pain. Explain the pain gate theory with a neat diagram.
2. Define electrodiagnosis. Explain in detail about characteristics of strength duration curve in denervated and partially denervated muscles

Short notes

(10x5=50)

3. Treatment of psoriasis using ultra violet radiation.
4. Principles and uses of whirlpool therapy.
5. List out the methods of application of wax and explain any two in detail.
6. Physiological effects of cold.
7. What is coherence. Mention the therapeutic effects of LASER.
8. Effect of current flow in the tissues.
9. Safety devices.
10. Therapeutic uses and contraindications of fluído therapy.
11. Treatment of pain using Iontophoresis.
12. Define beat frequency. Mention the physiological effects of interferential therapy.

Answer briefly

(10x3=30)

13. Attenuation.
14. Contrast bath.
15. Accommodation.
16. Sinusoidal currents.
17. Faradism under pressure.
18. Photosensitization in ultra violet radiation.
19. Bio feedback.
20. Cross fire method in short wave diathermy.
21. Chronaxie and rheobase.
22. Ohms law
