

2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations November 2025 Electrotherapy

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(2x14=28)

1. Describe in detail the construction, working and therapeutic effects of short wave diathermy (5+5+4)
2. Describe the Pain gate control theory in detail, add a note on superficial heating Modalities (10+4)

Short notes

(4x8=32)

3. Explain the principle of wax therapy, Describe the methods of application and dangers of wax therapy (2+4+2)
4. Describe the construction, working and physiological effects of ultrasound therapy (3+2+3)
5. Describe the construction, working and types of valves (3+2+3)
6. Brief on the selection of current and application of Iontophoresis (4+4)

Answer briefly

(10x4=40)

7. Importance of nerve conduction studies
8. Electromagnetic spectrum
9. Working and types of condensers
10. Dosage parameters for short wave diathermy treatment
11. Diadynamic currents
12. Wallerian degeneration
13. Importance of skin resistance lowering
14. Application, indication and contraindication of whirlpool bath
15. Sensitizers used in Ultraviolet Radiation (UVR)
16. Dosage parameters of Interferential Therapy (IFT)
