

2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations July 2023

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. Explain the production of ultrasound, its dangers, indications, and contraindications. (4+4+3+3)
2. Describe in detail the interpretation of electro diagnostic tests in nerve lesions with specific emphasis on Strength Duration curve (SD curve). (8+6)

Short notes

(4x8=32)

3. Define and classify Ultraviolet Radiations (UVR). Explain about the different types of UVR lamps in detail. (2+6)
4. Define faradic current. Explain the physiologic and therapeutic effects of faradic current. (2+3+3)
5. Explain about condensers used in electro therapy units.
6. Briefly explain the types of Infrared Radiation (IRR) generators. Give the indications and contraindications of IRR. (4+2+2)

Answer briefly

(10x4=40)

7. Therapeutic effects of galvanic current
8. Explain the benefits of Shortwave Diathermy (SWD) in the treatment of osteoarthritis of knee.
9. Define micro currents. Explain its benefits.
10. Various parameter of dosage in ultrasound.
11. Faradic – Galvanic (FG) test.
12. Transformers.
13. Iontophoresis.
14. Properties of LASER.
15. Pain gate theory.
16. Accommodation.
