

2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations August 2022

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. Define faradic current. Explain the physiological and therapeutic effects of faradic current.
2. Define Piezo electric effect. Explain the production of ultrasound. Add a note on the contraindications and dangers of ultrasound. (2+9+3)

Short notes

(4x8=32)

3. Explain the methods of application of cryotherapy. Add a note on the physiological and therapeutic effects of cryotherapy. (4+4)
4. Describe the principle of production of IFT. Explain its therapeutic effects. (5+3)
5. Theories of pain.
6. Define LASER. Explain the dosage of LASER. List the safety precautions while using LASER.

Answer briefly

(10x4=40)

7. Methods of application of wax therapy.
8. Types of TENS
9. Explain the construction component of electromyography (EMG) with a neat diagram.
10. Russian currents
11. Describe electrode tissue interface
12. High voltage pulsed galvanic stimulation.
13. Sinusoidal currents
14. Therapeutic effects of fluidotherapy.
15. Biofeedback
16. Explain about placement and spacing of electrodes in SWD
