

2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations February 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. What is piezoelectric effect. Explain the production of ultrasound and various methods of application. Add a note on phonophoresis. (2+5+5+2)
2. Describe the different method of cold application and add a note on the precautions for the same. Give the benefits of cold pack usage. (2+5+5+2)

Short notes

(4x8=32)

3. Describe in detail the interpretation of electro diagnostic tests in nerve lesions with specific emphasis on SD curve. (4+4)
4. What is pre-modulated bipolar method of IFT. Describe the method of application of IFT in lower back region. (3+5)
5. Write in detail about the application of UVR in the treatment of plantar ulcers and also about the dosage and progression. (4+2+2)
6. Explain the methods of test dose and describe calculation of dosage in UVR. Add a note on its therapeutic effects. (2+2+4)

Answer briefly

(10x4=40)

7. Explain methods of application of wax therapy.
8. Define shock. Give the precautions to be taken to avoid the same.
9. Explain about condensers used in electrotherapy units.
10. Describe the indications for use of bio feedback.
11. Describe the benefits of hot pack unit.
12. Explain the type of applicators used in a LASER unit and its uses.
13. Indication and contraindication for microwave diathermy.
14. Physiological and therapeutic effects of Russian current.
15. Explain about resistance in series and parallel, its application in electrotherapy.
16. State the different types of electrodes and give the merits and demerits of each type.
