

2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations July 2024

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. Write in detail the production of Ultraviolet rays and explain the principles of application of treatment. (8+6)
2. Discuss the pain pathway, theories of pain and types of pain in detail. (4+7+3)

Short notes

(4x8=32)

3. Describe the superficial heating modalities for patient with Low Back Ache.
4. Describe the types of Low frequency current.
 - a) Faradic current
 - b) Interrupted Galvanic current(4+4)
5. Define Infra-Red Radiation (IRR). Write about the luminous and non-luminous generators of IRR, and its physiological and therapeutic effects. (2+3+3)
6. Define Transcutaneous Electrical Nerve Stimulation (TENS). Explain the various types of TENS. (2+6)

Answer briefly

(10x4=40)

7. Modalities used for Rotator Cuff Injury of Shoulder.
8. Methods of application of Wax therapy.
9. Types of nerve lesions.
10. Faradic foot bath.
11. Bio-feedback.
12. Voltmeter.
13. Resistors.
14. Principle of phonophoresis.
15. Sweep frequency.
16. Electromagnetic spectrum.
