

Second Year BPT Degree Regular/Supplementary Examinations
September 2019

Electrotherapy

(2016 Scheme)

Time: 3 hrs

Max marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x15=30)

1. Define SWD. Explain the principles of production of SWD and explain the physiological and therapeutic effects and mention the dosage parameters of SWD
2. Define TENS. Explain the types of TENS and mention its physiological and therapeutic uses

Short Essays

(4x10=40)

3. Physiological and therapeutic uses of IFT
4. Production of MWD applicators and dangers of MWD
5. Types and production of IRR
6. Whirlpool bath

Short Answers

(10x3=30)

7. Rebox type current
8. Lewis-hunting reaction
9. Shock – types and its precautions
10. Piezo-electric Effect.
11. FG test
12. Cavitation
13. Phonophoresis
14. Chronaxie and rheobase
15. Non – thermal effects of ultrasound
16. Therapeutic uses of moist heat therapy