

Q.P.Code: 202014

Reg. No.:.....

Second Year **BPT** Degree Examinations - October 2012**ELECTROTHERAPY**

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays**(2x10=20)**

1. Define ultraviolet radiation.Explain the production of ultraviolet radiation in detail.
2. Illustrate and explain the production of short wave diathermy . Discuss the transmission of high frequency currents in the tissue.

Short notes**(10x5=50)**

3. Explain the various methods of wax application.
4. Explain the indications and contraindications of galvanic current.
5. Define TENS. Describe the indications and contraindications of TENS.
6. Describe the strength duration curve.
7. Explain the non thermal effects of ultrasound.
8. Define infrared radiation. Mention the types of infrared generators. Explain the indications and contraindications of the same.
9. What are the physiological effects of cryotherapy.
10. Discuss briefly the electrode spacing in short wave diathermy.
11. Mention the different methods of application of interferential therapy
12. Properties of LASER and its biophysical and biostimulation effects.

Answer briefly**(10x3=30)**

13. Condensors
14. Sinusoidal current
15. Accomodation
16. Merits of strength duration curve
17. Pulsed electromagnetic energy
18. Classification of LASER
19. Acoustic streaming
20. Whirlpool bath
21. Contraindications of hydrocollator packs
22. Eddy currents
