

[LB 6260]

AUGUST 2012

Sub. Code: 6260

THIRD YEAR BPT YEAR

Paper II – ELECTROTHERAPY II (HF)

Q.P. Code : 746260

Time : Three hours

Maximum : 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:**Pages Time Marks**
(Max.)(Max.)(Max.)

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|--|----|----|----|
| 1. Describe short wave Diathermy, its construction, working, methods of application, physiological and therapeutic effects. | 19 | 33 | 20 |
| 2. Define oscillation. What is capacitance and inductance? Give an example of an oscillating system. How does energy transfer between two circuits take place? Define nodes and antinodes with examples. | 19 | 33 | 20 |

II. Write notes on:

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|---|---|---|---|
| 1. Lewis hunting reaction. | 3 | 8 | 5 |
| 2. Physiological effects of heat. | 3 | 8 | 5 |
| 3. Laser. | 3 | 8 | 5 |
| 4. Construction and principles of Ultrasound. | 3 | 8 | 5 |
| 5. Hydro collator packs. | 3 | 8 | 5 |
| 6. Dosage in ultraviolet rays. | 3 | 8 | 5 |
| 7. Techniques of cryotherapy. | 3 | 8 | 5 |
| 8. Microwave diathermy. | 3 | 8 | 5 |

III. Short Answers:

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|--|---|---|---|
| 1. Micro Massage. | 1 | 5 | 2 |
| 2. Wavelength and frequency of Ultrasound. | 1 | 5 | 2 |
| 3. Why shouldn't a tumor be treated with heat. | 1 | 5 | 2 |
| 4. Describe an electric shock. | 1 | 5 | 2 |
| 5. How is energy density calculated in laser. | 1 | 5 | 2 |
| 6. Tennis elbow and Golfer's elbow. | 1 | 5 | 2 |
| 7. Paraffin wax bath. | 1 | 5 | 2 |
| 8. Heliotherapy –Define. | 1 | 5 | 2 |
| 9. Coupling Media. | 1 | 5 | 2 |
| 10. Duration of treatment for plantar fasciitis. | 1 | 5 | 2 |
