



Time: Three Hours

Max. Marks: 100 Marks

**ELECTROTHERAPY**

**(RS-3 & RS-4)**

**Q.P. CODE: 2712**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Describe production of SWD, explain physiological and therapeutic effect of SWD.
2. Explain indications, contraindications, physiological and therapeutic effect of faradic current.

**OR**

Define TENS, explain types of TENS with indications and contraindications.

**SHORT ESSAYS (Question No 3 & 12 choice)**

**10 x 5 = 50 Marks**

3. Explain principles of production of IFT.

**OR**

High voltage pulsed galvanic current

4. Explain properties of electromagnetic spectrum.
5. Physiological and therapeutic effects of LASER
6. Role of Sensitizers in UVR
7. Indications and contraindications of contrast bath
8. Sinusoidal current
9. Faradic foot bath
10. Thermal and non-thermal effects of ultrasound
11. Kromayer lamp
12. Pain gate control theory

**OR**

Explain indications and methods of applications of whirlpool.

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Half wave distance in ultrasound.
14. Indications and contraindications for IRR.
15. Mutual induction.
16. Methods of application of wax therapy.
17. Macro current.
18. Indication of UVR.
19. Phonophoresis - indications and contraindications.
20. Methods of application of cryotherapy.
21. Ramping of current.
22. Tetanic contraction.