

## Electrotherapy - I &amp; II

Date : 04-06-2024, Tuesday]  
Time : 3 Hours]

[Max. Marks : 80

- Instructions :** (1) Figure to the right indicate marks.  
(2) Write legibly.  
(3) Draw diagrams wherever necessary.  
(4) Use Separate answer book for each section.

**Section-I**

Q1. Discuss the production of IRR. Enumerate the differences between luminous and non-luminous IR lamps. Write about the indications, contraindications, dangers and precautions in treatment using IRR. (15Marks)

OR

Q1. Describe the methods of application of SWD. Write the indication, contraindication, dangers and therapeutic uses and physiological effects of SWD. (15Marks)

Q2. Write short notes on any 3 (15Marks)

- i) Paraffin Wax Bath
- ii) Kromayer UVR lamp
- iii) LASER
- iv) Coupling media in Ultrasound therapy

Q3. Write short notes on any 2 (10Marks)

- i) Contrast bath and therapeutic uses
- ii) Principles of treatment of MWD
- iii) Techniques of application of Cryotherapy

**Section-II**

Q4. Define pain gate theory. Describe principle and techniques of treatment, indication and contraindication of TENS. (15Marks)

OR

Q4. Define Faradic current. Describe indications, contraindications, precautions, physiological and therapeutic effects of faradic current. (15Marks)

Q5. Write short notes on any 3 (15Marks)

- i) Action potential
- ii) Principles of Iontophoresis
- iii) Russian currents
- iv) Didynamic currents

Q6. Write short notes on any 2 (10Marks)

- i) Wound care
- ii) Electric shock
- iii) Galvanic current characteristics