

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

### Electrotherapy - I & II

[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