

## Electro Therapy-II

M.M. : 90

Time : 3 Hours

### Section - A

All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks. [20]

1. Coupling media in Ultrasound therapy.
2. Desquamation.
3. F-reflex.
4. SD curve.
5. Hot pack.
6. Motor point.
7. Types of TENS.
8. Cross fire method in SWD.
9. Tuning in Diathermy.
10. FM radio in EMG.

### Section - B

Attempt any 8 questions. Answer to each question upto 2 pages in length. Each question carries 5 Marks. [40]

1. Explain the orthodromic conduction effects of faradic type current.
2. Describe the various functions and types of emitters used in Microwave Diathermy.
3. Explain the physical principles of therapeutic Ultrasound.
4. Briefly explain about the theories of pain modulation.
5. Explain the biophysical effects of flower pattern 90° rotating vector stimulation in Interferential therapy.
6. Explain the different methods of Ultrasound applications.
7. Explain the uses of LASER therapy in wound healing.
8. Describe contraindications to the Intermittent compression therapy.
9. Explain the instrumentation of Electro Myography.
10. Describe the various methods of applications of Cold therapy.
11. What is High Voltage Galvenic Current [HVGC] and explain its uses.
12. What is Phonophoresis and explain its basic principles.

### Section - C

Attempt any 2 questions. Answer to each question upto 5 pages in length. Each question carries 15 Marks. [30]

1. Describe in detail about Bio-Feedback on the following points:
  - a. Instrumentation.
  - b. Principles
  - c. Indications.
  - d. Contraindications.
  - e. Operational skills.
2. Write about the therapeutic effects of following:
  - a. Heat
  - b. Electric current.
3. Write in detail about LASER
4. Write about conceptual frame work of medium frequency current, its biophysical effect types and techniques of application.