



Roll No. _____

Answer Sheet No. _____

Sig. of Candidate. _____

Sig. of Invigilator. _____

PHYSIOTHERAPY TECHNIQUES HSSC-I

SECTION – A (Marks 20)

Time allowed: 25 Minutes

NOTE: Section-A is compulsory and comprises pages 1-2. All parts of this section are to be answered on the question paper itself. It should be completed in the first 25 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) Physiotherapy is a branch of medical health care practiced by qualified:

A. Occupational therapist	B. Speech therapist
C. Psychologist	D. Physiotherapist
- (ii) The study of electrotherapy modalities and their effects is called:

A. Hydrotherapy	B. Electrotherapy
C. Radiotherapy	D. None of these
- (iii) Based on scientific evidence physiotherapy is generally safe when practiced by qualified:

A. Physiotherapist	B. Surgeon
C. Anaesthetist	D. Dentist
- (iv) Short wave diathermy penetration is upto:

A. 8 cm	B. 6 cm
C. 2 cm	D. 10 cm
- (v) Therapeutic Ultrasound is useful in:

A. Post burn contracture	B. Sprain
C. Scars	D. All of these
- (vi) Interferential therapy acts on:

A. Pain gait mechanism	B. Orthotics mechanism
C. Surgical procedure	D. Chemotherapy mechanism
- (vii) Whirlpool bath is indicated in:

A. Swelling and pain	B. Burns
C. Allergy	D. Haemorrhage
- (viii) Therapeutic Ultrasound can be used to treat:

A. Open fracture	B. Osteomyelitis
C. Soft tissue injuries	D. None of these
- (ix) Frontalis is the muscle of:

A. Spine	B. Foot
C. Face	D. Arm
- (x) Thermotherapy means:

A. Cold application	B. Heat application
C. Salt application	D. None of these
- (xi) The frequency of Therapeutic Ultrasound is measured in:

A. Mega Hertz	B. Amperes
C. Pounds	D. None of these

- (xii) Hydrocollator packs are used by:
- | | |
|---------------------|-------------------|
| A. Moist heat packs | B. Diathermy pads |
| C. Tens electrodes | D. All of these |
- (xiii) EMS stands for:
- | | |
|------------------------|----------------------------------|
| A. Earth mines system | B. Electrical muscle stimulation |
| C. Equiped-myco system | D. All of these |
- (xiv) Non luminous generator is the example of:
- | | |
|-------------|------------------|
| A. Tens | B. SWD |
| C. Wax both | D. None of these |
- (xv) Tens is suitable for:
- | | |
|--------------|------------------|
| A. Pacemaker | B. Epileptics |
| C. Gangrene | D. None of these |
- (xvi) A condition that could benefit from specific modality in called:
- | | |
|---------------------|-----------------|
| A. Contraindication | B. Definition |
| C. Indication | D. Introduction |
- (xvii) Moist heat pack is the example of:
- | | |
|---------------|------------------|
| A. Conduction | B. Convection |
| C. Radiation | D. None of these |
- (xviii) Friction is the example of:
- | | |
|----------------|------------------|
| A. Electricity | B. Traction |
| C. Massage | D. None of these |
- (xix) Galvanic current is:
- | | |
|-------------------------|-------------------|
| A. Alternating current | B. Direct current |
| C. High voltage current | D. All of these |
- (xx) Lumber traction:
- | | |
|--------------------------------|---------------------|
| A. Increase pressure on nerves | B. Relieve pressure |
| C. No effect | D. None of these |

For Examiner's use only:

Total Marks:

20

Marks Obtained:

— 1HA 1747 —



PHYSIOTHERAPY TECHNIQUES HSSC-I

102

Time allowed: 2:35 Hours

Total Marks Sections B and C: 80

NOTE: Answer any ten parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 50)

Q. 2 Answer any TEN parts. The answer to each part should not exceed 2 to 5 lines. (10 x 5 = 50)

- (i) What are the dangers of IRR?
- (ii) What is sound wave?
- (iii) What is the ultraviolet light and its sources?
- (iv) Which law is the relationship between voltage and current?
- (v) What are the chemical effects of current?
- (vi) Define induction and capacitance.
- (vii) What are the five indications of faradic current?
- (viii) Define super facial heat therapy.
- (ix) What is interferential therapy?
- (x) What is the difference between conduction and convection?
- (xi) Define cryotherapy and actinotherapy.
- (xii) Name the types of applications of short wave diathermy.
- (xiii) What is the frequency and wavelength of microwave diathermy?
- (xiv) Define alternating and direct current.
- (xv) Define traction and its types.

SECTION – C (Marks 30)

Note: Attempt any THREE questions. All questions carry equal marks.

(3 x 10 = 30)

- Q. 3 Define Radiation therapy and give a detailed account of infrared radiation and ultraviolet rays.
- Q. 4 Explain therapeutic effects of ultrasound and massage.
- Q. 5 Define shortwave diathermy, its application methods and contraindications.
- Q. 6 Explain physiological effects of galvanic and its indications.
- Q. 7 What is the major difference between Iontophoresis and Phonophoresis?