



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) In Physiotherapy treatment is **NOT** used:
- |                    |               |
|--------------------|---------------|
| A. IRR             | B. SWD        |
| C. Electric shocks | D. Cold packs |
- (ii) Cryotherapy means:
- |                     |                  |
|---------------------|------------------|
| A. Heat therapy     | B. Ice therapy   |
| C. Magnetic therapy | D. None of these |
- (iii) Galvanic current is:
- |                          |                           |
|--------------------------|---------------------------|
| A. Low Frequency Current | B. High Frequency Current |
| C. Both A and B          | D. All of these           |
- (iv) High Frequency Currents are used for:
- |              |                      |
|--------------|----------------------|
| A. Deep heat | B. Superficial heat  |
| C. Deep burn | D. Blister Formation |
- (v) EMG stands for:
- |                         |                        |
|-------------------------|------------------------|
| A. Electromyography     | B. Electrometal graphy |
| C. Electromutual graphy | D. All of these        |
- (vi) TENS is an abbreviation of:
- |   |                                     |
|---|-------------------------------------|
| A. Total Electric nerve Stimulator          | B. Tetnic Electric nerve Stimulator |
| C. Transcutaneous Electric nerve Stimulator | D. All of these                     |
- (vii) Frequency of SWD is:
- |           |                  |
|-----------|------------------|
| A. 20 MHz | B. 10 MHz        |
| C. 15 MHz | D. None of these |
- (viii) Frequency Range of Ultrasound is used:
- |                    |                  |
|--------------------|------------------|
| A. 0.8 to 0.10 MHz | B. 0.5 to 5 MHz  |
| C. 0.15 to 10 MHz  | D. None of these |
- (ix) The Head of ultrasound is called:
- |                    |                 |
|--------------------|-----------------|
| A. Metal Head      | B. Wooden Head  |
| C. Transducer Head | D. All of these |
- (x) IRR is divided into:
- |               |               |
|---------------|---------------|
| A. Five types | B. Six types  |
| C. Two types  | D. Four types |
- (xi) The physiological effect of Ultraviolet Rays is:
- |                    |                    |
|--------------------|--------------------|
| A. Vit-K formation | B. Vit-C formation |
| C. Vit-D formation | D. All of these    |
- (xii) Histamine Iontophoresis is used:
- |                          |                          |
|--------------------------|--------------------------|
| A. Decrease blood supply | B. Increase blood supply |
| C. Block the vessels     | D. None of these         |

DO NOT WRITE ANYTHING HERE

- (xiii) Alternating Current consists of:
- |                        |                       |
|------------------------|-----------------------|
| A. Four Unequal phases | B. Two Unequal phases |
| C. Five unequal phases | D. Six unequal phases |
- (xiv) Faradic Current is obtained from:
- |                              |                 |
|------------------------------|-----------------|
| A. Ultrasound                | B. IRR          |
| C. Electric nerve Stimulator | D. Magnetic Bar |
- (xv) Active electrode for stimulation is placed at:
- |                |                  |
|----------------|------------------|
| A. Molar point | B. Melting point |
| C. Motor point | D. All of these  |
- (xvi) Interrupted direct current is commonly used for stimulation of:
- |                       |                        |
|-----------------------|------------------------|
| A. Innervated Muscles | B. Dennervated Muscles |
| C. Veins              | D. Arteries            |
- (xvii) The Frequency of Sinusoidal current is:
- |                 |                |
|-----------------|----------------|
| A. 50 to 60 Hz  | B. 50 to 70 Hz |
| C. 50 to 100 Hz | D. 50 to 55 Hz |
- (xviii) NCS is an abbreviation of:
- |                           |                            |
|---------------------------|----------------------------|
| A. Nerve Control System   | B. Nerve Connecting System |
| C. Nerve Conduction Study | D. None of these           |
- (xix) Excessive tissue fluid is:
- |                |                 |
|----------------|-----------------|
| A. Haemorrhage | B. Fracture     |
| C. Oedema      | D. All of these |
- (xx) Electrical Stimulation is given to:
- |                     |                      |
|---------------------|----------------------|
| A. Powerful Muscles | B. Paralysed Muscles |
| C. Both A and B     | D. None of above     |

For Examiner's use only:

Total Marks:

20

Marks Obtained:

— 1HA 1647 —

10/2



# PHYSIOTHERAPY TECHNIQUES HSSC-I

**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) Define TENS.
- (ii) Difference between Spasticity and Flaccidity.
- (iii) What is Interferential Current?
- (iv) Define Motor point.
- (v) Write down the three major electrotherapy modalities. (only names)
- (vi) Define Pigmentation.
- (vii) What is the proper Distance of IRR application during treatment?
- (viii) What is the wavelength of IRR?
- (ix) Define Direct Current.
- (x) Difference between Active and Fixed Electrodes.
- (xi) What is Metabolism?
- (xii) Name any two indications of Faradic Current.
- (xiii) What are the types of Ultrasound?
- (xiv) What is the dose of ultrasound in Acute Conditions?
- (xv) Define Cavitations.

## SECTION – C (Marks 30)

**Note: Attempt any THREE questions. All questions carry equal marks. (3 x 10 = 30)**

- Q. 3** Describe Electrotherapy in detail.
- Q. 4** Give a comprehensive account of different Modalities of Physiotherapy.
- Q. 5** What is the Major difference between Iontophoresis and Phonophoresis?
- Q. 6** What are the Indications and Contra Indications of ultraviolet Rays and Microwave diathermy?
- Q. 7** Describe different Methods of application of SWD.