



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) Pigmentation may cause conversion of amino acid into the pigment due to _____
A. Ultra violet rays B. Infrared rays
C. Cold Therapy D. Laser
- (ii) In bells palsy which type of current is used?
A. Inferential current B. Faradic current
C. Galvanic current D. Sinusoidal current
- (iii) Procedure of phonophoresis _____
A. Faradic current B. Ultrasonic wave
C. Galvanic current D. Microwave
- (iv) Which positioning of Electrodes is used in chronic sinusitis?
A. Cross fire B. Contra planner
C. Cable method D. Co-planner
- (v) The human ear can hear sound frequency at limit of _____
A. Above 10 KHz B. Less than 20 KHz
C. Beyond 30 KHz D. Less than 40 KHz
- (vi) Oudin current is used by _____
A. Pade electrodes B. Drum electrodes
C. Disc electrodes D. Glass electrodes
- (vii) Superficial heating agent which increases to temperature is _____
A. Micro thergy B. S.W. Diathermy
C. Hot Pachs D. Laser
- (viii) The contra planner electrodes methods are used in _____
A. Short wave diathermy B. Infrared rays
C. Micro diathermy D. Faradic current
- (ix) Sensitive patients need modality _____
A. Short wave diathermy B. Micro wave diathermy
C. Pulse diathermy D. Ultrasonic
- (x) Special type of thermionic valve is used in _____
A. Ultrasonic B. Microwave
C. Ultraviolet rays D. Infrared rays

DO NOT WRITE ANYTHING HERE

- (xi) S.W.D is applied in chronic condition _____
A. 7-15 Min B. 5-10 Min
C. 15-20 Min D. 20-30 Min
- (xii) By which modality is a reliving endorphin used?
A. Interferential B. Tens
C. Ultrasonic D. Dia dynamic current
- (xiii) Faradic stimulation is used in _____
A. Innervated muscles B. Denervated muscles
C. Both A and B D. None of these
- (xiv) TENS is most commonly used for _____
A. Electro Diagnosis B. Pain relief
C. Healing purpose D. Denervated muscle
- (xv) Muscle contraction exert pumping action _____
A. Epidermis B. On hing joint
C. Blood vessels D. Sensory nerve
- (xvi) Histamine iontophoresis is used to _____
A. Clot blood B. Liquefy blood
C. Increase blood supply D. Decrease blood supply
- (xvii) Hiperthyrdosis (excessive sweating) can be treated with _____
A. Infrared rays B. Iontophoresis
C. Ultrasound D. Microwave
- (xviii) Motor nerve gets quick accommodation _____
A. With faradic current B. With sinusoidal current
C. Diadynamic current D. Direct current
- (xix) Iontophoresis is used in _____
A. Polio myelitis B. Radial nerve palsy
C. Hemiplegia D. Arthritis
- (xx) A.C. voltage is reduced with the help of _____
A. Resistance B. Potential difference
C. Step down transformer D. Step up transformer

For Examiner's use only:

Total Marks:

20

Marks Obtained:

— 1HA 1247 —



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

- (i) What is Galvanism?
- (ii) What is Iontophoresis?
- (iii) What is the original faradic current?
- (iv) What is the Medical Galvanism?
- (v) What is the Anodal current?
- (vi) Describe briefly three indications of ionophoresis.
- (vii) Describe briefly five indications of S.W.D.
- (viii) Write briefly any three contra indication of S.W.D.
- (ix) What is interrupted direct current?
- (x) What is interferential current?
- (xi) Write the indications of TENS.
- (xii) What are the uses of Paraffin wax bath therapy?
- (xiii) State and define three classes of lever.
- (xiv) What is Moment and Momentum?
- (xv) Define Ultrasound.

SECTION – C (Marks 30)

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

(3 x 10 = 30)

- Q. 3** Explain the Physiological effects of S.W.D.
- Q. 4** Differentiate between the luminous and non-luminous infra rays.
- Q. 5** Explain the Anodal and Eathodal Galvanism.
- Q. 6** Explain advantage of pulsed SWD diathermy.
- Q. 7** What is the physiological and therapeutic effects of the microwave diathermy.