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Answer Sheet No. _____

Sig. of Candidate. _____

Sig. of Invigilator. _____

StudentBounty.com**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) Commences and ceases of high frequency current at regular interval can produce _____
A. Heat B. Sweating
C. Burning sensation D. None of these
- (ii) SWD work with frequency _____
A. 21.5 MHZ—8 meter wavelength B. 27.12 MHZ—8 meter wavelength
C. 30.7 MHZ—12 meter wavelength D. 45.00 MHZ—7 meter wavelength
- (iii) Beat frequency 5 to 10 hertz stimulates _____
A. Parasympathetic nerve B. Sympathetic nerve
C. Motor nerve D. Sensory nerve
- (iv) Accoustic vibration produces due to _____
A. Interferential current B. Ultrasonic
C. Infrared rays D. Faradic current
- (v) Cold therapy commonly used in acute muscles injury _____
A. After 7-10 days B. After 15-21 days
C. After 00 to 3 days D. After 5 – 6 days
- (vi) Frequency of the modern TENS is _____
A. 05-50Hz B. 10-100 Hz C. 00-600 Hz D. 15-700 Hz
- (vii) Interrupted direct current is used for _____
A. Electrodiagnostic test B. Re-education of the muscle
C. Innervated muscles D. Acute pain
- (viii) The process of the Iontophoresis requires _____
A. Shortwave B. Ultrasonic C. Infrared rays D. Direct current
- (ix) Shortwave induction field produces heat in _____
A. Fatty layer B. Bony structure C. Muscle of body D. Subcutaneous
- (x) Short session of SWD are indicated for _____
A. Cervical region B. Re-joint
C. Ear Sinosis D. Low back
- (xi) Denervated muscles need _____
A. Faradic current B. Galvanic current
C. Sinusoidal current D. Medium current
- (xii) Current greater than 1000 Hz is termed as _____
A. Low frequency current B. Medium frequency current
C. High frequency current D. Basic frequency current
- (xiii) Wavelength for medical purpose is _____
A. 5–13–25 metres B. 4–12–21 metres
C. 2.5–3–6 metres D. 7–11–22 metres

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DO NOT WRITE ANYTHING HERE

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- (xiv) Diaphragmatic paralysis seen in polio is due to _____
 A. Optic nerve B. Facial nerve C. Phrenic nerve D. Radial nerve
- (xv) First use of ultrasonic in medicine _____
 A. Treatment of the cancer B. Treatment of O.A diseases
 C. Treatment of paralysis D. Muscular dystrophy
- (xvi) Long term application of cold therapy _____
 A. Reduces muscular strength B. Increases muscular strength
 C. No change in muscular strength D. Wasting of muscles
- (xvii) Which rays are effective information of the Vit-D?
 A. X-rays B. Ultraviolet rays
 C. Infrared rays D. None of these
- (xviii) High temperature generator produces _____
 A. Luminous rays B. Non-luminous rays
 C. Ultraviolet rays D. None of these
- (xix) The condenser is used in _____
 A. Infrared rays B. TENS
 C. SWD D. Stimulators machine
- (xx) Chemical burn occur by _____
 A. Heat pack B. Microwave diathermy
 C. Faradic current D. TENS

For Examiner's use only:

Total Marks:

20

Marks Obtained:

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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 the surgical Galvanism?
- (ii) Write any three physiological effects of direct current.
- (iii) What is Contra-indication in danger for intophorsis?
- (iv) What is the original Faradic current?
- (v) What is the effect of I.D current on enervated muscle?
- (vi) What is statistic interference?
- (vii) Write briefly about Indication and Contra-indication of the SWD.
- (viii) What are the advantages of the SW diathermy?
- (ix) Define the ward of ultrasound.
- (x) What is the Phonorosis?
- (xi) Write briefly the physiological effects of Ultrasound.
- (xii) What is electrolysis?
- (xiii) Write down the chemical production of direct current to body tissues.
- (xiv) Define Biomechanics.
- (xv) What is Moment and Momentum?

SECTION – C (Marks 30)

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

(3 x 10 = 30)

- Q. 3 Explain the Indication and Contra-indications of the infrared rays.
- Q. 4 What is the difference between the microwave and shortwave diathermy?
- Q. 5 Explain the therapeutic indication of galvanic current.
- Q. 6 Explain the physiological effect of shortwave diathermy.
- Q. 7 What are the uses of the intophoresis?