

- (xii) The positioning of short wave diathermy electrodes depends on _____
- A. Impedance of structures B. Line of electric field
C. Both A and B D. Age of patient
- (xiii) Which of the following is used to stimulate innervated muscles?
- A. Ultrasonic current B. Electric current
C. Any high frequency current D. Faradic
- (xiv) In chronic lesions the counter-irritant affect of shorter Infrared Rays is of worth _____
- A. Longer Infrared Rays (IRR) B. Shorter IRR
C. Shorter SWD (Short wave diathermy) D. Longer SWD
- (xv) High frequency currents are produced by discharging a condenser through _____ of low ohmic resistance.
- A. Resistance B. Impedance
C. Capacitance D. Inductance
- (xvi) Planter warts are caused by _____
- A. Virus B. Bacteria
C. Fungi D. Mushrooms
- (xvii) Flourescent tubes moulded in its own reflector manifest _____
- A. Ultrasound apparatus B. Kromayer lamp
C. Theraktin tunnel D. Tunnel bath
- (xviii) When using _____ ultrasound less thermal effect is produced.
- A. Pulsed B. Continuous
C. Direct D. Gel
- (xix) Which of the following is the migration of ions through a membrane by action of an electric current?
- A. Iontophoresis B. Phonophoresis
C. Mypophoresis D. Hyperphoresis
- (xx) TENS (Transcutaneous Electrical Nerve Stimulator) can be used to treat _____
- A. Phantom pain B. Post-operative pain
C. Chronic pain syndrome D. All of these

For Examiner's use only:

Total Marks:

20

Marks Obtained:

— 1HA 1347 —



PHYSIOTHERAPY TECHNIQUES HSSC-I

9v

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) Define Ohm's law.
- (ii) What is a Modified Faradic current?
- (iii) What is the range of wavelength and frequency of Infrared Rays?
- (iv) Define Phonophoresis.
- (v) Differentiate between Mutual and Self induction.
- (vi) Define Electroscope.
- (vii) What do you understand by Pain?
- (viii) Define Earth shock.
- (ix) What do you understand by Erythema?
- (x) What is Neurotmesis?
- (xi) Differentiate between Afferent and Efferent fibres.
- (xii) Name any five contra-indications for IRR application.
- (xiii) Define Diode.
- (xiv) What is Scald with reference to shortwave diathermy (SWD)?
- (xv) Name three biological effects of ultrasound waves.

SECTION – C (Marks 30)

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

- Q. 3** Give a detailed account of Electric shock.
- Q. 4** Define and explain the basic principles of interferential therapy.
- Q. 5** How can you explain dangers and contraindications of ultrasound to your junior?
- Q. 6** Give a comprehensive account of physiotherapy applications for Facial palsy from diagnosis to treatment.
- Q. 7** Describe the therapeutic effects of shortwave diathermy.