



14704



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Physiotherapy-2021/B.Physiotherapy-2022/B.Physiotherapy-2023

Course Name – Electro Therapy - II

Course Code - BPTC501

(Semester V)

LIBRARY

Brainware University
Barasat, Kolkata -700125

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

(i) Select the correct statement in respect to rheobase

- | | |
|-------------------------------------|-------------------------------------|
| a) Unchanged in a denervated muscle | b) Increases in a denervated muscle |
| c) Decreases in a denervated muscle | d) First increase then decrease |

(ii) Identify the electrodes that are used for more accurate EMG

- | | |
|-----------------------|---------------------|
| a) Surface electrodes | b) Needle electrode |
| c) Both a & b | d) None of these |

(iii) Identify in unilateral nerve injury, the required current intensity for stimulation is 10 – 20 times in opposite side normal muscle means

- | | |
|--|-------------------------------------|
| a) Neurapraxia | b) Axonotemesis of few nerve fibers |
| c) Axonotemesis of all most all nerve fibers | d) Neurotemesis |

(iv) Identify that is not true for positive sharp wave

- | | |
|--------------------------|---------------------------------------|
| a) Diphasic potential | b) Abrupt positive initial deflection |
| c) Abrupt negative delay | d) All of these |

(v) Identify the LASER dose for tennis elbow

- | | |
|----------------------------|----------------------------|
| a) 0.05 J/cm ² | b) 60-80 J/cm ² |
| c) 30-40 J/cm ² | d) 8-12 J/cm ² |

(vi) State the condition for which Zinc iontophoresis is used

- | | |
|----------------------|-----------------------|
| a) neurogenic pain | b) ischemic ulcer |
| c) non-healing ulcer | d) acute inflammation |

(vii) Write the temperature of PWB

- | | |
|-------------------------|-------------------------|
| a) 30-40 degree Celsius | b) 40-50 degree Celsius |
| c) 25-55 degree Celsius | d) 0-5 degree Celsius |

(viii) Select the wavelength of UVA

- | | |
|---------------|------------------|
| a) 315-280 nm | b) 280-100 nm |
| c) 400-315 nm | d) None of these |

(ix) Select the contraindication of IRR

