

B.P.T. [2nd Prof.]

BF/2017/09

Electro Therapy – II

[New Scheme w.e.f. 2009]

Time: 3 Hours

Max Marks: 80

- Note: 1.) *Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
4.) **The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

SECTION - A**[40 Marks]**

1. **Write short Notes up to 5 lines in length.** [5x3=15]
a. Collimation
b. Resting membrane potential
c. Acoustic streaming
d. Fibrillation potential
e. Contraindications of Micro wave diathermy
2. **Answer the following question upto 3 pages in length.** [10]
Discuss briefly about various parameters of normal motor unit action potential.
3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
a. Discuss in detail about therapeutic effects, indications and contraindications of short wave diathermy?
OR
b. What is EMG Biofeedback? Discuss briefly its mechanism, indications and contraindications?

SECTION – B**[40 Marks]**

4. **Write short Notes up to 5 lines in length.** [5x3=15]
a. N.C.V of radial nerve
b. Beat Frequency in IFT
c. Electromagnetic induction
d. Neuromuscular junction
e. Patient preparation for cryotherapy
5. **Answer the following question upto 3 pages in length.** [10]
Discuss briefly about physiological and therapeutic effects of heat and cold.
6. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]
a. Discuss in detail about therapeutic effects and indications of Ultrasound.
OR
b. Discuss in detail about basic principle and biophysical effects of interferential therapy?
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