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**PRELIMINARY EXAMINATION 2<sup>ND</sup> YEAR BPTb 2018-19****ELECTROTHERAPY****Total Duration: Section A+B = 3 hours****Date:10/04/2019****Total Marks: 80**

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**Instruction:**

1. Use blue/black ball point pen only.
  2. Do not write anything on the blank portion of the question Paper. If written anything, such type of act will be considered an attempt to resort to unfair means.
  3. All questions are compulsory.
  4. The number to the right indicates full marks.
  5. Draw diagrams wherever necessary.
  6. Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  7. Use a common answer book for all Section.
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**SECTION — A SAQ (50 Marks)****1. Short answer questions (Any five out of six) (5X3=15)**

1. Explain Phonophoresis.
2. Describe in brief diadynamic currents.
3. Enumerate the indications for LASER therapy.
4. Differentiate between Faradic and Galvanic currents.
5. Describe any three ions for relief of pain, used in Iontophoresis.

**2. Short answer questions (Any five out of six) (5X7=35)**

1. Biofeedback
2. Discuss physiological and therapeutic effects of UVR
3. Explain wound care and elaborate the electrotherapeutic modalities used for wound care.
4. Describe the therapeutic effects on ultra sound & add note on coupling media.
5. Explain the technique of applications for faradism under pressure along with its indication and principles.
6. Define normal SD curve along with its characteristics and draw curves for partial and denervated curves along with its explanation





**SECTION — B LAQ (30 Marks)**

**3. Long answer question (any 1 out of 2) (15 marks)**

1. Explain the types of SWD along with its methods of application in detail. Write a note on its physiological effects along with the dangers and precautions. (2+7+6)
2. Discuss in detail about the physiological and therapeutic effects of Faradic Currents. Explain about faradic re-education with its technique and principle of application. Write a short note on strong surge faradic current. (7+6+2)

**4. Long answer question (any 1 out of 2) (15 marks)**

1. Define iontophoresis. Explain the indications and contraindications along with its precautions and dangers. explain the method of application and its principles. (2+7+6)
2. Define interferential therapy and its types. State its physiological effects, indications, contraindications. Write a note on Russian currents. (6+6+3)

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