

**Second B.P.Th. (2012) Examination, Winter 2018
ELECTROTHERAPY**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A and SECTION – B

- Instructions :**
- 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 as 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 answerbook for all Sections.**

SECTION – A SAQ (50 Marks)

1. Short answer question (**any five** out of six) : **(5×3=15)**
 - a) Motor point.
 - b) Chronaxie and rheobase.
 - c) Any three dangers of ultrasound.
 - d) Any three ions used for pain relief in iontophoresis.
 - e) Strong surged faradic.
 - f) Types of electrodes in IFT.

2. Short answer question (**any five** out of six) : **(5×7=35)**
 - a) Discuss principles and technique of plotting SD curve.
 - b) Discuss principles and uses of biofeedback.
 - c) Discuss application of therapeutic current in wound care.
 - d) Discuss pain pathways and pain gate theory in detail.
 - e) Discuss principles and technique of application of faradism under pressure.
 - f) Discuss test dose of UVR.

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SECTION – B LAQ (30 Marks)

3. Long answer question (**any one** out of two) : (1×15=15)
- a) Discuss physiological and therapeutic effects of faradic current. Discuss Faradic reeducation in detail. (8+7)
 - b) Discuss physiological and therapeutic effects of short wave diathermy. Discuss its danger and precaution. (8+7)
4. Long answer question (**any one** out of two) : (1×15=15)
- a) Define Interferential therapy. Discuss its advantages on low frequency currents. Discuss its indication. (3+7+5)
 - b) Discuss physiological and therapeutic effects of ultrasound. Discuss phonophoresis. Discuss its indication. (7+5+3)
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