

**51213****Second B.P.Th. 2012 Examination, Summer 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) : **(5x3=15)**
 - a) Define Chronaxie and Rheobase.
 - b) Write uses of Biofeedback.
 - c) Define Galvanic and Interrupted galvanic current.
 - d) Enlist precautions for LASER therapy.
 - e) Enlist contraindications for Infrared Radiation.
 - f) Sub Erythema(Dosage of UVR.
2. Short answer question (**any five** out of six) : **(5x7=35)**
 - a) Describe methods of applications of Ultra Sound.
 - b) Describe physiological effects of Infrared Radiation.
 - c) Describe characteristics of normal intervened Strength Duration curve.

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- d) Describe types of Transcutaneous Electrical Nerve Stimulation.
- e) Describe therapeutic effects of Faradic current.
- f) Describe Pain gate theory.

SECTION — B LAO (30 Marks)

3. Long answer question (**any one** out of two) (1 x1 5=15)
- a) With respect to Short Wave Diathermy : describe methods of applications, types of electrodes used, describe therapeutic effects. (7+3+5)
 - b) With respect to Ultra Violet Radiation : write its types, describe physiological effects, method of calculation of test dose. (3+6+6)
4. Long answer question (**any one** out of two) : (1x15=15)
- a) Define Intophoresis. Explain its principles and method of applications. Enlist any 5 ions that can be applied using Intophoresis. (2+3+10)
 - b) With respect to Interferential Therapy : Write its advantages over Low Frequency Current, describe therapeutic effects, describe methods of applications. (2+6+7)