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Second B.P.Th. 2012 Examination, Winter 2017
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 SAO **(50 Marks)**

1. Short answer question **(any five** out of six) : **(5x3=15)**
   a) Types of LASER.
   b) Diadynamic currents.
   c) Anodal galvanism.
   d) Russian current.
   e) Electromagnetic spectrum.
   f) Psoralen Ultraviolet A (PUVA).

2. Short answer question **(any five** out of six) : **(5x7=35)**
   a) Expalin pain gate mechanism.
   b) Physiological and therapeutic effects of infra-red radiation.
   c) Explain in detail about different types of TENS.
   d) Iontophoresis for hyperhidrosis.
   e) Therapeutic uses of LASER.
   f) Thermal and non-thermal effects of Ultra sound.

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SECTION — B LAO (30 Marks)

3. Long answer question (any one out of two): **(1 x15=15)**

a) Write in detail about galvanic current. Describe the plotting and characteristics of a normal strength Duration Curve. **(5+10)**

b) Principle of IFT. **(5)**

Therapeutic application of JET. **(10)**

4. Long answer question **(any one** out of two): (1 xl **5=15)**

a) Classification of UVR. **(2)**

Physiological effects of UVR. (6)

Application of UVR for Psoriasis. **(7)**

b) Physical characteristics of SWD. (5)

Different methods of electrodes placement. (5)

Therapeutic effects of SWD. (5)

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