Second B.P.Th. (New) Examination, Summer 2012
ELECTRICAL AGENTS

Total Duration: Section A + B + C = 3 Hours
Section B & C Marks: 60

SECTION – B & SECTION – C

Instructions: 1) All questions are compulsory.
2) The number to the right indicates full marks.
3) Draw diagrams wherever necessary.
4) 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.

SECTION – B

2. Answer the following (any five out of six):

   a) Importance of spacing of electrodes in SWD.

   b) Any three ions with uses in iontophoresis.

   c) Types of TENS.

   d) Enumerate three types of application of LASER.

   e) Explain the two broad purpose of biofeedback.

   f) Enumerate three methods of application of ultrasound.

(5x3=15)

3. Answer the following (any three out of four):

   a) Therapeutic uses of LASER.

   b) Explain the gate control theory of pain.

   c) Indications and contraindications of UVR.

   d) Explain E2 dose and Leeds Regimen.

(3x5=15)

SECTION – C

4. Discuss the physiological and therapeutic effects of ultrasound. Explain in detail the method of application. (5+5+5)

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5. a) i) What is IFT?
   ii) Give advantages of IFT over low frequency currents.
   iii) Explain treatment technique in knee pain.

   OR

5. b) i) Write in detail about the interrupted direct current.
   ii) Write the physiological effects of interrupted direct current.
   iii) Write the indications for the use of interrupted direct current.