Second B.P.Th. (New Course) Examination, June/July 2006
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) Answer each Section in the respective answer sheet only.
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B

2. Attempt any five out of six:
   a) 3 contra indication of ultrasound
   b) Beat frequency
   c) Lewis's hunting reaction
   d) Selective impulses
   e) Coupling media
   f) Motor points.

3. Attempt any three out of four:
   a) 5 physiological effects of ultra violet rays
   b) 5 dangers of infra-red rays
   c) 3 indication and 2 contra-indication of laser
   d) 5 laws governing radiation.

SECTION - C

4. With short wave diathermy, how would you give Cross-fire treatment. 10
   Write 5 contra indicates of SWD. 5

5. Define Faradic current. Write physiological and therapeutic of Faradic current. (1+6+8)
   OR
   Describe 2 types of TENS (transcutaneous electrical nerve stimulation) 4
   Write about Pain relieving mechanism in diagram. 6
   Enumerate 3 ways to point the electrodes in TENS and 2 contra-indicate of TENS. 3