Second B.P.Th. (New Course) Examination, November/December 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:  \(5 \times 3 = 15\)
a) Russian currents.
b) Effects and uses of UVR in vit. D production.
c) \(E_2\) test dose of UVR.
d) Electrotonus.
e) Conventional TENS.
f) Dangers of ultra sound.

3. Attempt any three out of four:  \(3 \times 5 = 15\)
a) Non-thermal effects of ultrasound.
b) Physiological effects of IFT.
c) Phonophoresis.
d) Any five ions used in iontophoresis with its uses.

SECTION – C

4. a) Describe various techniques of placement of electrodes in SWD with its uses.
b) Write effects of spacing in SWD.
c) Write various contraindications of SWD.  \(6+6+3=15\)

5. a) What is faradic type current?
b) Discuss the physiological effects of the same.
c) Describe the therapeutic uses of faradic type current.  \(1+5+9=15\)

OR

Discuss the wound healing by using following electrotherapy modalities.
a) UVR  
b) Laser  
c) US  \(5+5+5=15\)

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