ELECTRICAL AGENTS

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.

SECTION – B

2. Attempt any five out of six: (5×3=15)
   a) Dangers of SWD
   b) Motor points
   c) E₃ dose of UVR
   d) Contra-indication of UVR
   e) Russian currents
   f) Any 3 ions used in iontophoresis with its uses.

3. Attempt any three out of four: (3×5=15)
   a) Techniques of placement of electrode in SWD
   b) Therapeutic uses of IFT
   c) Wound healing by laser therapy
   d) Mercury arc tube

SECTION – C

4. a) Discuss the physiological effects. 7½
   b) Therapeutic uses of Ultrasonic therapy. 7½

5. a) What is faradic-type current? 1
   b) Discuss the physiological effects. 5
   c) Therapeutic uses of it in detail. 9

   OR

   a) What is TENS?
   b) What are different types of TENS?
   c) Describe the mechanism of action of each type of TENS. [1+5+9=15]