ELECTROTHERAPY

Total Duration: Section A + B = 3 Hours
Total Marks: 80

SECTION - A & 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” (SAQ) (50 Marks)

1. Short answer question (any five out of six): [5 x 3 = 15]
   a) Classify Low Frequency Currents
   b) Enumerate any 3 Coupling media along with their percentage of
      transmission
   c) Define Rheobase and Chronaxie
   d) Define a Motor Point
   e) Enumerate any Three Dangers of Infrared Rays
   f) Enumerate any 3 Properties of Laser

2. Short answer question (any five out of six): [5 x 7 = 35]
   a) Enumerate types of TENS. Explain any 2 in detail.
   b) Classify IR. Describe the structure of Luminous and non luminous IR.
   c) Explain different methods of application of SWD and contraindication
      for the same.
   d) Define MED in Ultra Violet Radiations and describe the technique for
      measuring the same in UVR.
   e) What is faradic Re-education? Explain the technique in brief.
   f) Describe in detail Pain Gate Theory and enlist modalities that use the same.
SECTION – “B” (LAQ) (30 Marks)

3. Long answer question (any one out of two) : \[1 \times 15 = 15\]
   a) Define Iontophoresis. State its principle and describe the method of application. State its dangers. Enumerate any 5 ions with their uses.
   b) Define Ultrasound. Describe the physiological and therapeutic effects of ultrasound and write its contraindications.

4. Long answer question (any one out of two) : \[1 \times 15 = 15\]
   a) Describe the physiological and therapeutic effects of interrupted galvanic currents. State its Indications and contraindications.
   b) What is Faradism under pressure? State its Principle of application. Describe the technique and state its contraindications.

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