ELECTROTHERAPY

Total Duration : Section A + B = 3 Hours

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):
   a) Discuss property of accommodation.
   b) Write any three differences between galvanic and faradic current.
   c) Discuss any two laws of radiation with application to physiotherapy.
   d) Discuss types of electrodes used in Short wave diathermy.
   e) Explain E-2 dose of Ultra violet radiation.
   f) Mention any three ions with the solution used for pain relief.

2. Short answer question (any five out of six):
   a) Write a note on strength duration curve.
   b) Briefly discuss therapeutic effects of pulsed SWD.
   c) Discuss principles and uses of biofeedback.
   d) Discuss properties and uses of LASER.
   e) Discuss physiological and therapeutic effects of Ultra sound.
   f) Discuss application of UVR in wound healing.

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3. Long answer question (any one out of two):
   a) Discuss positioning of electrodes in short wave diathermy. Also, discuss its indications and contraindications. (7+4+4)
   b) Discuss physiological and therapeutic effects of interferential therapy. Also, discuss advantages of interferential therapy over low frequency currents. (10+5)

4. Long answer question (any one out of two):
   a) Describe the different types of IR generators. Also discuss the indications and contraindications of IR radiations. (7+4+4)
   b) Discuss physiological and therapeutic effects of faradic currents. Also, discuss faradism under pressure along with its application. (8+7)