SECTION A AND 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) Write any three differences between galvanic and faradic current.
   b) Name any three theories of Pain gate
   c) Define TENS and give its types
   d) Write down different types of Diadynamic current
   e) Draw well labelled diagram of Cover leaf pattern in IFT
   f) Any three types of methods of application of SWD electrodes

2. Short Answer Question (any five out of six) (5 x 7 = 35)
   a) Write principle, methods and uses of Biofeedback
   b) Define SWD give its types and mention the indications, contraindications and precautions.
   c) Write a note and draw diagrams on Strength Duration Curve (Principles, chronaxie, rheobase)
   d) Explain in detail the rationale & treatment of faradism under pressure
   e) Describe the production of TENS
   f) Explain the physiological and Therapeutic effects of Ultra Sound

P.T.O
SECTION – B  LAQ (30 Marks)

3. Long Answer Question (any one out of two): (1x15=15)

a) Define UVR. Give its effect and uses. Explain different modalities used in Wound care (2+5+8)

b) Define Ultrasound and add a note on phonophoresis and method of application (3+5+7)

4. Long Answer Question (any one out of two): (1x15=15)

a) Define IRR. Give its types, physiological effects, indication and Contraindications (2+5+8)

b) Discuss SWD with its Physiological and therapeutic effects. Explain the placement of electrodes used in case of Knee injury with well labeled diagram (3+5+7)