First BPTH (2012), Winter 2015
Fundamentals of Electro Therapy – V

Total Duration: Section A + B = 3 Hours

Section - A & Section - B

Total Marks: 80

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) Define Fuse.
   b) Define Ohm's Law.
   c) Define Latent heat.
   d) Define Piezo electric effect.
   e) Discuss importance of earthing.
   f) Define triode and diode valve.

   (5x3=15)

2. Short answer question (any five out of six):
   a) Explain Therapeutic effects of superficial heat.
   b) What is Electrical skin resistance? Explain its causes & effects.
   c) Write the characteristics and types of LASER.
   d) Discuss production of electro magnetic induction.
   e) Explain the types and function of transformers.
   f) Describe whirl pool bath.

   (5x7=35)

Section “B” LAQ (30 Marks)

3. Long answer question (any one out of two):
   a) Explain the production of SWD. Draw a neat labeled panel diagram of SWD
   b) Write physical characteristics of Infrared radiations. Write about production of luminous and non-luminous IR. Write contraindications to Infrared treatment.

   (10+5)

   (2+8+5)

   (P.T.O.)

https://www.onlinesir.com
4. Long answer question (any one out of two):
   a) What is faradic current? Explain the duration and frequency of faradic current. Explain the different types of waveforms of electric current.
   (1x15=15)
   b) Discuss therapeutic and physiological effects of contral bath. Write about its indications and contraindications.
   (3+6+6+8+7)