



Abhinav Bindra Sports Medicine and Research Institute
BPT 2ND Semester 1ST Internal Examination

Date: 11.07.2025

Subject: Electrotherapy-II

Time: 09 AM-12 AM

F.M. – 80

A) LONG QUESTIONS – Answer any 3 (3 X 15)

1. Write in details about physiological effects of UVR?
2. Write down the different types of IRR. Give a detail about Therapeutic effects.
3. Give a brief note on Russian currents?
4. Give a detail about production and therapeutic effects of IFT current.

B) SHORT QUESTIONS- Answer any 6 (6 X 5)

1. Give detailed note on production of UVR?
2. Write about the dosage of IRR?
3. What are the Dangers and contraindication of IRR?
4. Give a detail about Production of IFT.
5. Importance of Medium frequency currents in Physiotherapy
6. Therapeutic effects of UVR.
7. Difference between Medium and low frequency current

C) OBJECTIVE TYPE QUESTION (1 x 5)

1. What is the primary purpose of using Interferential Current (IFC) therapy?
 - (a) To heat the tissues deeply
 - (b) To stimulate muscles and reduce pain
 - (c) To increase blood flow to superficial tissues
 - (d) To directly stimulate bone growth
2. What is the typical range of carrier frequencies used in IFC?
 - (a) 1-10 Hz
 - (b) 100-250 Hz
 - (c) 1000-10000 Hz
 - (d) 50-60 Hz
3. Which type of radiation is known for its heat-inducing property?
 - (a) Ultraviolet (UV)
 - (b) Infrared (IR)
 - (c) Visible light
 - (d) X-rays
4. What is the approximate wavelength range for infrared (IR) radiation?
 - (a) 10-400 nm
 - (b) 400-700 nm
 - (c) 700 nm - 1 mm
 - (d) 1 mm - 10 m
5. Which type of radiation is primarily responsible for sunburn?
 - (a) Infrared