SECTION – B & SECTION C

Instructions: 1) All questions are compulsory.
2) The number to the right indicates full marks.
3) Draw diagrams wherever necessary.
4) Answer each Section in the respective answer sheet only.
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any five out of six: (5×3 = 15)
   a) Contraindications to ultrasound.
   b) Possible therapeutic mechanism for pulsed SWD.
   c) Types of TENs.
   d) Paraffin wax bath techniques.
   e) Types of IRR generators.
   f) Dangers of using direct current in iontophoresis.

3. Attempt any three out of four: (3×5 = 15)
   a) Classify standard doses of UVR, based on erythma reaction and list the skin types.
   b) UVR sensitzers and Leed’s Regimen.
   c) Physiological effects of infrared radiations.
   d) Application of IRR (principles).

SECTION – C

4. a) Define microwave diathermy and give its parameters. 3
   b) Potential dangers and contraindications. 5
   c) Physiological and therapeutic effects. 7

5. a) What are low frequency currents? 3
    Safety precautions with electrical apparatus. 5
    Physiological and therapeutic effects of short duration currents. 7

   OR

b) What is interferential therapy? 3
   Advantages of interferential therapy over low frequency currents. 5
   Principle of interferential therapy and therapeutic uses according to different modes and beat frequencies. 7