

LONG QUESTIONS – Answer any 3 (3 X 15)

1. Explain production, physiological effects, therapeutic effects and technique of moist heat application. Also write down contraindications of moisture application.
2. Explain principles, techniques and effects of iontophoresis. Name various clinical conditions and also useful ionic salt to be used by iontophoresis in these conditions.
3. Explain various possible risk accidents that may occur in the electrotherapy room. Explain various measures which can be helpful for preventing the earth shock.
4. What is action potential? Briefly discuss the mechanism of transmission of impulse in a peripheral nerve.
5. Discuss briefly on the physiological effects of the therapeutic current and explain how these effects are used for therapeutic benefits.
6. Explain the principle, technique, and effects of paraffin wax bath therapy.

SHORT QUESTIONS (6 X 5)

1. Explain semiconductors.
2. Explain Rheobase and Chronaxie.
3. Explain electromagnetic induction.
4. Explain Whirlpool Bath therapy.
5. Explain choke coil.
6. Explain contrast bath.

OBJECTIVE TYPE QUESTION (1 x 5)

1. Therapeutically eddy current is used to:
(A) Produce heat
(B) Produce nerve stimulation
(C) Apply drugs in iontophoresis
2. In a step transformer:
(A) The number of turns of wire in primary coil is more than the secondary
(B) Number of turns in primary and secondary is same
(C) The number of turns of wire in secondary coil is more than primary
3. A current that produces greater muscular hypertrophy with gain in strength is:
(A) Direct current
(A) Faradic current
(B) Russian current
4. The types of muscle fibres mostly activated by electrical stimulation are:
(A) Type -I fibers
(B) Type - IIa fibers
(C) Type-IIb fibers
5. Which current is used in facial simulation?
(A) Faradic
(B) Galvanic
(C) IG current