

SNS College ofphysiotherapy

Electrotherapy I

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Question Bank for Electrotherapy-I (Low & Medium Frequency)

Two-Mark Questions (Short Answer)

1. Define low-frequency current and give one example.
2. What is the frequency range of medium-frequency currents?
3. What is the physiological effect of galvanic current on muscle tissue?
4. Name two indications for faradic current in physiotherapy.
5. What is the purpose of iontophoresis in electrotherapy?
6. Define chronaxie and rheobase in the context of nerve stimulation.
7. What is the difference between surging and plain faradic current?
8. Name two contraindications for using transcutaneous electrical nerve stimulation (TENS).
9. What is the role of electrode placement in electrotherapy?
10. What is meant by the term "accommodation" in nerve stimulation?
11. Wrist drop?
12. Foot drop?
13. Ape thumb?
14. UMN lesion?
15. LMN lesion?
16. Radial nerve?
17. Medial nerve?
18. Ulnar nerve?
19. Axillary nerve?
20. Sciatic nerve?
21. Tibial nerve?

22. Femoral nerve?
23. peroneal nerve?
24. obturator nerve?
25. neuron?

#### Five-Mark Questions (Short Notes)

1. Explain the therapeutic effects of interrupted galvanic current in physiotherapy.
2. Describe the principles of TENS and its modes of operation.
3. Discuss the indications and contraindications of faradic current therapy.
4. Write a note on the strength-duration curve and its clinical significance.
5. Explain the technique of iontophoresis and its applications in physiotherapy.
6. Describe the physiological effects of medium-frequency currents on tissues.
7. Discuss the safety precautions to be followed during electrotherapy treatment.
8. Explain the concept of beat frequency in interferential therapy.
9. Write a note on the types of electrodes used in low-frequency electrotherapy.
10. Discuss the role of electrical stimulation in the management of Bell's palsy.
11. Wrist drop?
12. Foot drop?
13. median claw hand?
14. ulnar claw hand?
15. faradic foot bath?
16. faradic under pressure?
17. deltoid inhibition?
18. quadriceps inhibition?
19. facial palsy?
20. bells palsy?
21. median nerve stimulation?
22. ulnar nerve stimulation?

23. common peroneal nerve stimulation?

24. Radial nerve stimulation?

25. Tray preparation?

#### Fifteen-Mark Questions (Essay)

1. Describe in detail the principles, techniques, therapeutic effects, indications, and contraindications of interferential therapy in physiotherapy.

2. Explain the types of low-frequency currents used in electrotherapy. Discuss their physiological effects, clinical applications, and safety considerations in detail.

3. Define TENS, Explain the types, methods of application, procedure.

4. Define EMG. Explain the types indication and contra indication.

5. Define Biofeedback. Explain the EMG biofeedback.