

**KMCT COLLEGE OF ALLIED HEALTH SCIENCES
MUKKOM, KOZHIKODE, KERALA.
DEPARTMENT OF PHYSIOTHERAPY.
SECOND YEAR BPT**

ELECTROTHERAPY- QUESTION BANK

ESSAY [15 MARKS]

- 1 What is Biofeedback? Describe in detail the principles of Biofeedback. Add a note on the uses of Biofeedback.
- 2 What is surged faradism? Describe in detail the mechanism of production of faradic current .Add a note on the physiological and therapeutic effects of faradic current.
- 3 Define Iontophoresis. What type of current is used in Iontophoresis? Describe the mechanism of Iontophoresis and the therapeutic uses.
- 4 Describe the current parameters used in the different types of TENS? How does pain modulation occur in each type of TENS? Which type of TENS is best in chronic pain management?
- 5 Define Pain? What are the types of pain? Describe the gate control theory of pain?
- 6 Describe Interferential therapy and its parameters in detail?
- 7 Define Interrupted Direct Current (IDC). Describe the effects of IDC on Innervated and Denervated muscle. Differentiate Faradic from IDC.
- 8 What are the different types of electrical tests done in electrotherapy department?
- 9 Define faradic current. Write briefly about modified faradic currents and discuss their physiological effects. Add a note surging of faradic current?
- 10 What is multi vibrator circuit? Discuss its working.
- 11 Write about S.D.Curve. What is the significance of doing as S.D.Curve? Explain the results and prognosis.
- 12 Define Faradic current. Describe the Physiological effects and Therapeutic effects of Faradic current.
- 13 Define Interferential current. Describe the Parameters and Therapeutic effects of Interferential c Write about Strength Duration curve. Discuss the Strength Duration curve in a case of a Peripheral Nerve Injury which has started regenerating.

- 14 Define Transcutaneous Electrical Nerve Stimulation. Describe the parameters, Types, Electrode Placement, Advantages, Disadvantages and Contra Indications of Transcutaneous Electrical Nerve Stimulation.
- 15 Discuss physiological and therapeutic effects of Interrupted Galvanic current. Add a note on contra-indications and dangers of galvanic current.
- 16 What are the types of peripheral nerve injuries? Discuss the selection of current for neuropraxia and neurotmesis types of injury. Add a note on factors affecting the regeneration of axon.
- 17 Define Interferential Current. Explain in detail types, indication contraindication, Physiological effect and dangers, parameter of Interferential Current.
- 18 Explain in detail about the Therapeutic and Physiological effects, uses and techniques of treatment with Interrupted Direct Current.
- 19 Define transcutaneous electrical nerve stimulation. Describe the parameters, types and physiological effects of transcutaneous electrical nerve stimulation.
- 20 What is Bio-feedback? Describe the parameters and uses of Bio-feedback.
- 21 What is Strength Duration Curve? Write the procedure of doing Strength Duration Curve. Describe the characteristic of curve in peripheral nerve lesion.
- 22 Define Faradic current. Describe the surging of Faradic current. Discuss the therapeutic effects of Faradic current.
- 23 Define Iontophoresis. Write the physical principle of Iontophoresis. Name the ion used in treating idiopathic hyperhidrosis and explain the treatment procedure of the same.
- 24 Define Interferential therapy. What is frequency sweep in Interferential therapy? Describe the methods of application and therapeutic effects of Interferential therapy.
- 25 Describe the types, parameters, therapeutic effects and advantages of Transcutaneous Electrical Nerve Stimulation.
- 26 Working of Smart Bristo coil and physiological effects of Faradic current.
- 27 Define Faradic current. Physiological, therapeutic effects indication and contraindications of Faradic current.
- 28 Explain about the indications, contraindications and methods of application of interrupted direct current.
- 29 Describe the types of Low frequency current. a) Faradic type current b) Interrupted Galvanic current
- 30 Discuss the Peripheral Nerve Injuries. Add a note on Physiotherapy management for Radial Nerve Injury.

- 31 Define Ultra violet radiation . Explain the various types of generators and its production.
- 32 Define Ultra sound. Explain the Treatment parameters and Physiological effects of ultrasound.
- 33 Write about the non luminous and luminous generators of IRR, its therapeutic and physiological effects.
- 34 Define cryotherapy. Explain the methods of application and its therapeutic effects
- 35 Describe short wave Diathermy, its construction, working, methods of application, physiological and therapeutic effects.
- 36 Define oscillation. What is capacitance and inductance? Give an example of an oscillating system. How does energy transfer between two circuits take place? Define nodes and antinodes with example
- 37 Mechanism of Ultrasound production and methods and application for different conditions with therapeutic parameters
- 38 Production of Infrared radiation and its application methods and precautions during treatment
- 39 Explain the physical effects of heat and the laws governing radiations.
- 40 Describe the properties of laser. Explain the principles of application of low level laser and physical and therapeutic effects of laser
- 41 Describe production of microwave diathermy, its technique of application and dangers.
- 42 Indications, contraindications and dangers of Ultraviolet radiation (UVR)
- 43 Define moist heat. Explain the apparatus, technique, indication, contra indication and advantages of hydrocollator pack.
- 44 Explain in detail about the technique of application of “Laser” and its effects in pain relief, wound healing and in musculoskeletal condition.
- 45 Define heat and explain in detail about physical effects and transmission of heat. Add a note on apparatus, indications and contra indications, technique of application of liquid paraffin wax bath.
- 46 Describe the production of Infrared Radiation. Mention about its type of generators and it’s working. Explain about the techniques of the treatment
- 47 Describe physiological effects of Ultrasound Therapy, its techniques of application and contraindications.
- 48 Define oscillatory current. Describe in detail about production, physiological and therapeutic effects of SWD

- 49 Define Microwave Diathermy. Explain in detail about the indication, contraindication, production, physiological, therapeutic effects and its danger.
- 50 Write in detail various methods of Short Wave Diathermy application.
- 51 Write in detail the production of Laser and its therapeutic effects.
- 52 Write about the non luminous and luminous generators of IRR, its therapeutic and physiological effects.
- 53 Write in detail the production of Ultra sound and write the parameters of Ultra sound for different conditions.
- 54 Write in detail the production of Ultra violet rays and explain the principles of application of treatment.
- 55 Describe the superficial heating modalities for patient with Low Backache.
- 56 Describe in detail about the production, construction and its dangers of SWD.
- 57 Principles of application of Wax bath for Rheumatoid Arthritis and its home programme.
- 58 Define Ultraviolet Radiation. Explain the various types of Generators and its production.
- 59 Describe in detail about the production, construction and its dangers of SWD.

SHORT ESSAY

- 1) Laws of reflection and refraction.
- 2) PUVA therapy.
- 3) Reverse piezo electric effect.
- 4) Contrast bath.
- 5) Kromayer lamp.
- 6) Cable method of Short wave diathermy.
- 7) Microwave Diathermy.
- 8) Lewis hunting reaction.
- 9) Physiological effects of heat.
- 10) Laser.
- 11) Construction and principles of Ultrasound.
- 12) Hydro collator packs.
- 13) Dosage in ultraviolet rays.

- 14) Techniques of cryotherapy.
- 15) Microwave diathermy.
- 16) Biological changes due to cryotherapy
- 17) Indications and contra indications of Shortwave diathermy
- 18) Transmission of Ultrasound by various coupling media.
- 19) Mercury vapour lamp
- 20) Photosensitization
- 21) Hubbard tank
- 22) Uses and contraindications of cryotherapy
- 23) Electromagnetic induction
- 24) Techniques of application in phonophoresis.
- 25) Electrode placement in Condenser field method in short wave diathermy.
- 26) Physiological effect and therapeutic effect of ultraviolet radiation.
- 27) Whirlpool bath
- 28) Dangers with infrared radiations.
- 29) Biological effects of pulsed shortwave diathermy.
- 30) Dip method in paraffin wax application
- 31) Cold spray
- 32) PUVA regimen
- 33) Contrast bath
- 34) Phonophoresis
- 35) Physiological effects of cryotherapy
- 36) Production of ultrasound
- 37) Paraffin wax bath
- 38) Therapeutic uses of Infrared radiation
- 39) Electrode positioning in capacitor field method
- 40) Physical effects and transmission of heat.
- 41) Contrast bath.
- 42) Therapeutic Effects of ultrasound.
- 43) Properties and technique of LASER.
- 44) Pulsed shortwave diathermy.
- 45) Hubbard tank.
- 46) Physiological effects of UVR.
- 47) Generators of IRR.

- 48) Electro magnetic spectrum
- 49) Modality of treatment and dosage for psoriasis
- 50) Therapeutic effects of short wave diathermy
- 51) Techniques of application of ultra sound
- 52) Physiological effects of ultra violet radiation
- 53) Dangers and contra indications for cryotherapy
- 54) Luminous generators
- 55) Contrast bath
- 56) Production of microwave diathermy.
- 57) Excitatory cold.
- 58) Kromayer lamp.
- 59) Whirlpool bath.
- 60) Heat transmission.
- 61) Laser and its properties.
- 62) Indications and contra indications of ultra violet radiations.
- 63) Ultra sound – thermal and non-thermal effects.
- 64) Difference between nonluminous and luminous generators of IRR.
- 65) Hydrocollator pack.
- 66) Transmission of heat.
- 67) UVR for Skin wounds.
- 68) Contraindications of Cryotherapy.
- 69) Physical Properties of LASER.
- 70) Dangers of Micro Wave Diathermy (MWD).
- 71) Therapeutic uses of Short Wave Diathermy (SWD).
- 72) Techniques of application of SWD.
- 73) Techniques of application of ultrasound therapy.
- 74) Couplants and its uses.
- 75) Construction and working of MWD.
- 76) Luminous and non-luminous generator.
- 77) Treatment and dosage for Acne Vulgaris.
- 78) Contrast bath.
- 79) Paraffin wax bath
- 80) Spacing in SWD.
- 81) Laws governing radiation.

- 82) Magnetron.
- 83) Treatment parameters of ultrasound.
- 84) Alpine sun lamp.
- 85) Ruby laser.
- 86) Circuit diagram production of SWD and its label.
- 87) Filters used in UVR.
- 88) Contrast bath.
- 89) Hydro collatorpack.
- 90) Hubbard tank.
- 91) Contra indications for ultra violet rays.
- 92) Calculation of dosage in ultra violet treatment.
- 93) Theraktin tunnel.
- 94) Drugs used in phonophoresis.
- 95) Pulsed mode of ultra sound.
- 96) Management of low back pain.
- 97) Pulsed SWD and its application.
- 98) Physiological effects of heat.
- 99) Therapeutic effects and uses of cryotherapy.
- 100) Properties of HF current.
- 101) Cross fire method in SWD.
- 102) Vapocoolant spray.
- 103) Emitters and its types
- 104) Contraindications of Laser.
- 105) PUVA Apparatus.
- 106) Sensitizers.
- 107) Cable method for SWD.
- 108) Contrast Bath.
- 109) Physiological Effects of Heat.
- 110) Microwave Diathermy.
- 111) Phonophoresis
- 112) Piezo electric effect.
- 113) Pain Gate Theory.
- 114) Pulsed shortwave.
- 115) Electromagnetic Spectrum.

- 116) Use of UVR in Alopecia.
- 117) Microwave diathermy.
- 118) Condenser field method.
- 119) Lewis hunting reaction.
- 120) Water bag method of ultra sound application.
- 121) Laws governing radiation.
- 122) Magnetron.
- 123) Electro-magnetic spectrum.
- 124) Therapeutic effects of Ultra sound.
- 125) Indications for infra red radiation.
- 126) Test dose.
- 127) Properties of laser.
- 128) Laser.
- 129) Non-thermal treatment.
- 130) Pain gate theory.
- 131) Ice-cube method.
- 132) Preparation of Infra-red lamp.
- 133) Aims of treatment of Wax bath.
- 134) Fluorescent lamp.
- 135) Water bag method.
- 136) Advantages of Cable method.
- 137) Physiological and therapeutic uses of Lasers.
- 138) Luminous and Non luminous Generators.
- 139) Properties of Waves in Ultrasound.
- 140) Treatment for Plantar Fasciitis.
- 141) Production of Microwave Diathermy.
- 142) Effects of Contrast bath.
- 143) Water bag method.
- 144) Indication and Therapeutic uses of Biofeedback.
- 145) Earth Shock.
- 146) Burst TENS.
- 147) Types of electrode used in IFT.
- 148) Strength Duration Curve.
- 149) Sinusoidal Current.

- 150) Quadriceps lack.
- 151) Faradic coil.
- 152) What are the Therapeutic uses of electricity?
- 153) Explain Faradic Foot bath.
- 154) Sweep frequency.
- 155) Ions used in Iontophoresis.
- 156) Bio-feed back.
- 157) Define Erb's palsy and its management.
- 158) Types of Nerve lesions.
- 159) Voltmeter.
- 160) Types of electrodes used in interferential therapy.
- 161) Brief intense TENS.
- 162) Synapse.
- 163) Sinusoidal waveform.
- 164) Prevention of shock.
- 165) Functional electrical stimulation.
- 166) 'F' wave.
- 167) Wrist drop
- 168) Bell's palsy.
- 169) Different theories of pain.
- 170) Methods of application of iontophoresis.
- 171) Explain different types of Wave forms.
- 172) Functional electrical stimulation.
- 173) Therapeutic and physiological effects of sinusoidal current.
- 174) Define transformer and types of transformer.
- 175) Deltoid inhibition.
- 176) Treatment method of application of TENS for low back pain.
- 177) Ammeter.
- 178) Dangers and preventions of therapeutic currents.
- 179) Explain in detail on Pain gate theory.
- 180) Treatment method for radial nerve palsy.
- 181) Faradism under pressure.
- 182) Nerve conduction test.
- 183) Physiological effects of IFT.

- 184) Dangers of interferential therapy.
- 185) Action potential.
- 186) Neuro muscular junction.
- 187) Types of impulse.
- 188) Causes of shock.
- 189) Diadynamic current.
- 190) H Reflex.
- 191) Foot drop
- 192) Types of transcutaneous electrical nerve stimulation.
- 193) Neuropraxia.
- 194) Electrotherapy management of Bell's palsy.
- 195) Functional electrical stimulation.
- 196) Interrupted direct current.
- 197) Moving – coil milliamperemeter.
- 198) Types and production of faradic current.
- 199) Describe the electrotherapy modalities used to strengthen the muscle
- 200) Gate control theory of pain.
- 201) Methods of application of interferential therapy.
- 202) Uses of biofeedback.
- 203) Fuse.
- 204) Earth shock.
- 205) Effects of a direct current.
- 206) Semiconductors.
- 207) Indications and contra-indications of interferential therapy
- 208) Safety devices used in electrotherapy.
- 209) Wallerian degeneration.
- 210) Faradic footbath.
- 211) Electromyography.
- 212) Parameters of interferential therapy.
- 213) Indications of faradic current.
- 214) Transformer.
- 215) Strength duration curve.
- 216) Radial Nerve Palsy.
- 217) Thermionic Valves.

- 218) Potentiometer.
- 219) Transcutaneous Electrical Nerve Stimulation.
- 220) Faradic Galvanic Test.
- 221) Deltoid Inhibition.
- 222) Faradism Under Pressure.
- 223) Pain Pathway.
- 224) Volt meter.
- 225) Parameters of IFT.
- 226) Saturday night palsy.
- 227) Deltoid Inhibition.
- 228) Types of TENS.
- 229) Accommodation.
- 230) Iontophoresis.
- 231) Resistance in series and parallel.
- 232) Radial Nerve Palsy
- 233) Triode Valve
- 234) Rectifiers
- 235) Interferential Therapy
- 236) Pain Gate Theory
- 237) . Smart Bristow Faradic Coil
- 238) Electric Shock
- 239) Faradism Under Pressure
- 240) Propagation of Action potential.
- 241) Gate control theory.
- 242) Burst mode TENS.
- 243) Principles of Biofeedback.
- 244) Strength-Duration Curve in Peripheral Nerve Injury.
- 245) Motor Nerve Conduction test.
- 246) Testing the Electrical Stimulator apparatus.
- 247) Contraindications of Iontophoresis.
- 248) Biofeedback and its benefits.
- 249) Physiological effects of alternating current.
- 250) Faradic foot bath.
- 251) Quadriceps inhibition. How would you treat it?

- 252) Treatment for Bell's palsy left side.
- 253) Faradic Galvanic test.
- 254) Chronaxie and Rheobase.
- 255) Triode valve and its use.
- 256) Faradic – IDC test.
- 257) Glidemester effect.
- 258) Modulation and classification of TENS
- 259) Sterodynamic IFT
- 260) Treatment for neuroproxia of Radial nerve.
- 261) Functional electrical stimulation
- 262) Fuse
- 263) Production of Electromagnetic waves.
- 264) Pain modulation.
- 265) Galvanic tetanus ratio.
- 266) Methods of application of Ultrasound.
- 267) Moving coil Galvanometer.
- 268) Surge.
- 269) Uses of Transformer.
- 270) Therapeutic effects of High Voltage Pulsed Galvanic Current
- 271) Physiological effects of Interferential Current.
- 272) Electromagnetic Induction.
- 273) Electric shock.
- 274) Diadynamic Current.
- 275) Describe the clinical implication of SD curve test.
- 276) Sinusoidal current.
- 277) Production of therapeutic Ultrasound.
- 278) Working of Smart Bristow Faradic Coil.
- 279) Recording electrodes for electromyography.
- 280) Neurophysiology of pain.
- 281) Parameters of Interferential therapy.
- 282) Propagation of action potential.
- 283) Diadynamic currents.
- 284) Physics of Iontophoresis.
- 285) H-reflex.

- 286) Therapeutic uses of electricity
- 287) Explain types of valves used in the electrotherapy units.
- 288) Describe the electromagnetic spectrum and indicate the unit in which it is utilized.
- 289) Give the types of modified A.C currents used in physiotherapy. Describe any one in detail.
- 290) Write in detail about anodal galvanism.
- 291) List the various tests used in electro diagnosis. Describe any one in detail.
- 292) What is Bio feedback? Give the importance of its use in physiotherapy.
- 293) Explain the method of application of phonophoresis and indicate its uses.
- 294) Give the physiological effects of IRR.
- 295) Explain the production of ultra sound and give a note on dosimetry in ultrasound.
- 296) Describe the indications and contra indications of contrast bath usage.
- 297) Give the principles of Wax bath therapy.
- 298) Explain the type of applicators used in a MWD unit and its uses.
- 299) Give the benefits of cold packs usage.
- 300) Explain the types of electrode placement in Interferential therapy.

SHORT ANSWERS

- 1) Use of a fuse in electrotherapy unit.
- 2) Define condenser.
- 3) Give 2 uses of interrupted galvanic current.
- 4) Give 2 features of a faradic current.
- 5) What is cathodal galvanism?
- 6) Give 2 uses of SD curve used in electrotherapy.
- 7) Define Pulsed electro magnetic energy.
- 8) Give 2 uses of a whirlpool bath.
- 9) Define Ohms law.
- 10) Define the term nerve conduction velocity.
- 11) Excitatory Cold.
- 12) Name the modalities used for Ligament Injuries.
- 13) Scalds.
- 14) Contraplanar technique for Osteoarthritis.
- 15) Ice burn.

- 16) Inductor.
- 17) Grid method.
- 18) Pressure Sores.
- 19) Piezo-electric effect.
- 20) Coupling Medium.
- 21) Magnetron.
- 22) Crystal laser.
- 23) Crepe bandage.
- 24) Capacitor.
- 25) Acne Vulgaris.
- 26) Quantum theory.
- 27) Pulsed Mark: Space ratio.
- 28) Modalities used for Tennis elbow.
- 29) Principle of phonophoresis.
- 30) Papules
- 31) Cryo stretch.
- 32) Hydro collator pack.
- 33) Collimation
- 34) Psoriasis.
- 35) Erythema.
- 36) Paraffin wax bath.
- 37) Dangers of laser.
- 38) Moist heat therapy.
- 39) Mono planar technique of short wave diathermy.
- 40) Cold laser.
- 41) Fuse.
- 42) Magnetron.
- 43) Test dose.
- 44) Pulse repetition rate.
- 45) Grid.
- 46) Methods of application of ultrasound.
- 47) Phonophoresis.
- 48) Laws governing radiation.
- 49) Ulcer.

- 50) Electrode spacing in condenser field methods
- 51) Coupling Media.
- 52) Thermostat.
- 53) Types of HF current.
- 54) Treatment duration of Tennis Elbow.
- 55) Pulsed diathermy.
- 56) Electromagnetic spectrum.
- 57) Gamma rays.
- 58) Tridmyite formation.
- 59) Therapeutic uses of IFT.
- 60) Magnetron.
- 61) PUVA regimen.
- 62) Minimal erythmal dose.
- 63) Inverse square law.
- 64) Indications for UVR.
- 65) Techniques of application of UST.
- 66) Indication and contraindications of moist heat packs.
- 67) Convection.
- 68) Cryokinetics.
- 69) Physical properties of paraffin wax.
- 70) Laws governing radiation.
- 71) Ultrasonic field.
- 72) Diode valve.
- 73) Indications of wax therapy.
- 74) Tuning in Short Wave Diathermy.
- 75) Indication for contrast bath.
- 76) Cryo cuff.
- 77) Pressure sore.
- 78) Alopecia areata.
- 79) Sensitizers.
- 80) PUVA regimen
- 81) Lewis hunting reaction.
- 82) Electrostatic field.
- 83) Reverse piezo electric effect.

- 84) Nodes and antinodes.
- 85) Cavitation.
- 86) Pigmentation.
- 87) Super luminous diode laser.
- 88) Quick ice.
- 89) Classification of LASERS.
- 90) Mark: Space Ratio.
- 91) Depth of penetration of Ultrasound Therapy.
- 92) Define frequency.
- 93) Dangers of Infrared radiation.
- 94) Physical properties of wax.
- 95) Wavelength of lasers.
- 96) Cryokinetics.
- 97) Conduction.
- 98) Puva apparatus.
- 99) Duty cycle.
- 100) Wavelength of Ultraviolet rays B (UVB).
- 101) Triode valve.
- 102) Phonophoresis.
- 103) Damping of oscillations.
- 104) Lasing medium.
- 105) Piezo-electric effect.
- 106) Desquamation.
- 107) Any four methods of application of paraffin wax.
- 108) Ice towel method.
- 109) Coupling medium.
- 110) Eddy currents.
- 111) Method of application of SWD
- 112) Magnetron
- 113) Oscillator circuit
- 114) Photo sensitization
- 115) Triode valve
- 116) Latent heat of fusion
- 117) Parameters of ultrasound

- 118) Eddy currents
- 119) Plantar warts
- 120) Thermostat
- 121) Vapocoolant spray.
- 122) Power density of laser.
- 123) Buoyancy.
- 124) Actinotherapy.
- 125) Inverse square law.
- 126) Transducer.
- 127) Ionization.
- 128) Ice burn.
- 129) UVR new dose calculation formula.
- 130) Variable condense
- 131) Conduction
- 132) List out the techniques of application of LASER
- 133) How do you prevent the damage to Magnetron
- 134) Which is converted into vitamin D in skin by Ultraviolet radiation
- 135) Cosine law
- 136) Depth of penetration of ultrasound therapy
- 137) Wavelength of Infrared radiation
- 138) Define frequency
- 139) Cryostretch
- 140) Hydrocollator pack
- 141) Cavitation
- 142) Convection and radiation
- 143) Electrostatic field
- 144) Desquamation
- 145) Piezo-electric effect
- 146) Cryokinetics
- 147) Electric shock
- 148) Coupling medium
- 149) Thermostat
- 150) RICE
- 151) Moist heat

- 152) Erythema
- 153) Cold laser
- 154) Cavitation
- 155) Near field/ Far field
- 156) Microwave diathermy
- 157) .Eddy currents
- 158) Refraction
- 159) Inverse square law
- 160) Mono polar technique of Short wave diathermy
- 161) How is the distance between the Ultra violet lamp and patient calculated?
- 162) Degrees of erythema.
- 163) X-rays and Gamma rays.
- 164) Radiant energy.
- 165) Convection.
- 166) Calories.
- 167) Coupling Media.
- 168) Cavitation and its types.
- 169) Properties of Laser.
- 170) Basic principle in treating sprains.
- 171) Eddy current
- 172) Magnetron
- 173) Drugs used in phonophoresis
- 174) Structure of skin
- 175) Theraktin tunnel
- 176) Erythema
- 177) Dangers of shortwave diathermy
- 178) Definition of LASER
- 179) Physical properties of wax
- 180) Contraindication of cryotherapy
- 181) Latency.
- 182) What is Electromyography?
- 183) Uses of biofeedback.
- 184) Sinusoidal current.
- 185) Resting membrane potential.

- 186) Factors affecting accuracy of strength duration curve.
- 187) Shape of interrupted galvanic current.
- 188) Dangers of Iontophoresis.
- 189) Motor point.
- 190) Ions used in Iontophoresis.
- 191) Capacitance.
- 192) Principles of Biofeedback.
- 193) Semiconductors.
- 194) Chronaxie.
- 195) Fuse.
- 196) Motor point and Motor unit.
- 197) Classification of Nerve Injury.
- 198) Stimulation of denervated muscle.
- 199) Ohm's law.
- 200) Checking of apparatus for Electrical muscle stimulation.
- 201) Diode valve.
- 202) H reflex.
- 203) Feedback Loop.
- 204) Mutual induction.
- 205) Ions used in Iontophoresis.
- 206) Resistance in series and parallel.
- 207) Nerve conduction test.
- 208) Describe the type of TENS used for acute pain.
- 209) Dangers of Iontophoresis.
- 210) Lenz's law.
- 211) Types of electric current.
- 212) Ions
- 213) Maximum voluntary isometric contraction
- 214) Orthodromic conduction
- 215) Jouel's Law
- 216) Chronaxie
- 217) Compound motor unit action potential
- 218) Capacitance
- 219) F wave

- 220) Syncopated rhythm
- 221) Lasers
- 222) Preparation of a patient for E.S
- 223) What is erythema and how to prevent it?
- 224) Neuropraxia.
- 225) Skin resistance test.
- 226) Wrist drop early stage.
- 227) Placement and settings for IFT.
- 228) TENS.
- 229) Ion used in iontophoresis.
- 230) Difference between A.C and D.C
- 231) Waveforms used in Interrupted direct current.
- 232) Dangers of Interferential current.
- 233) Sinusoidal current.
- 234) Advantages of TENS.
- 235) Recording electrodes in Electromyography.
- 236) Difference between F-wave and H reflex.
- 237) Physics of Iontophoresis.
- 238) Earth shock.
- 239) Motor unit.
- 240) Effects of Interrupted direct current on innervated and denervated muscle.
- 241) Waveforms used in Interrupted direct current.
- 242) Dangers of Interferential current.
- 243) Sinusoidal current.
- 244) Advantages of TENS.
- 245) Recording electrodes in Electromyography.
- 246) Difference between F-wave and H reflex.
- 247) Physics of Iontophoresis.
- 248) Earth shock.
- 249) Motor unit.
- 250) Effects of Interrupted direct current on innervated and denervated muscle.
- 251) All or none law.
- 252) Ape thumb deformity.
- 253) Eddy current.

- 254) Fibrillation potential.
- 255) Functional electrical stimulator.
- 256) Tardy ulnar nerve palsy.
- 257) SD curve on partially denervated muscle.
- 258) Rheobase.
- 259) Difference between facial palsy and bell's palsy.
- 260) Hyperemia.
- 261) Chronaxie.
- 262) Capacitance.
- 263) Ions and its uses.
- 264) Define Farad and Watt.
- 265) Variable Transformer.
- 266) Resistance and its types.
- 267) Kink in Strength Duration Curve.
- 268) Fatigue Test.
- 269) Characteristics of Denervated Muscle.
- 270) Waveforms of Faradic Type Current.
- 271) Sterodynamic interferential therapy.
- 272) Motor point.
- 273) Tinel's sign.
- 274) Russian current.
- 275) What is accommodation? How to prevent it?
- 276) Faradic galvanic test.
- 277) Ohm's law.
- 278) H reflex.
- 279) Dangers of direct current.
- 280) Neurotemesis
- 281) Rheostat.
- 282) Glidemeister effect.
- 283) H reflex.
- 284) Action potential.
- 285) Iontophoresis.
- 286) Acute pain.
- 287) Advantages of interferential therapy.

- 288) Impedance.
- 289) Types of electrodes.
- 290) Preparation of patient for electrical stimulation
- 291) Masking effect.
- 292) Motor unit.
- 293) Rheobase.
- 294) Erythema.
- 295) Latent period.
- 296) Triode valve.
- 297) Feedback loop.
- 298) Cathode.
- 299) Joule's law.
- 300) Advantages and disadvantages of strength duration curve.
- 301) Suction electrode.
- 302) Amplitude.
- 303) Switch.
- 304) Allodynia.
- 305) Edema.
- 306) Cathodal Galvanism.
- 307) Ohm's law.
- 308) Effects of chlorine ionisation.
- 309) Wheal.
- 310) Electrophoresis.
- 311) Rheobase.
- 312) Checking of apparatus for EMS.
- 313) S.D. curve.
- 314) Russian current.
- 315) Electro myography.
- 316) Ions used in inotophoresis.
- 317) Uses of transformer.
- 318) F wave.
- 319) Joule's law.
- 320) Hyper hydrosis.