

Forensic Medicine & Toxicology

Q.1] Answer (any 10 out of 15)

10 x 2 = 20

(Forensic Medicine)

- * Qualification of coroner * Two criminal courts in India * Two types of evidences * What is Mercy killing
- * What is Euthanasia * Time limit for Exhumation in India France Scotland & Germany * Types of malpraxis
- * Number of jury and Types of jury * What is Hostile witness * What is Expert Witness * What is Perjury
- * What is Product liability * Four examples of Documentary evidences * What is Ethical Malpraxis
- * What is Scientific Witness * Three examples of Privileged Communications * Panchnama * High Court
- * What do you mean by Juvenile offender * Three examples of Contributory Negligence * Open Verdict
- * Dying Declaration * Dying Deposition * Act of Omission * Act of Commission * Supreme Court * Consent
- * Summons * Subpoena * Juvenile Court * District Court of Session * Conduct Money * MO fees
- * Indication for Magistrate Inquest * Coroner Court * Cognizable Offences * Non-cognizable Offences
- * Leading Question * Vicarious responsibility * Circumstantial Evidences * Exhumation
- * How Many Copies of P.M. Reports are Prepared & to whom they are given
- * Two examples of Act of Omission in infanticides * Two examples of Act of Commission in infanticides
- * Define Medical Jurisprudence * What is Starvation * Rule of Nine * Rule of Dozen * Flash Burn
- * Immediate causes of death in case of Burn * Types of Burn * Pugilistic Attitude * Boxing Attitude
- * Two Methods of Inducing Criminal Abortions * Types of Abortions * Define Criminal Abortions
- * Abortion Stick * Ecobolics * Emmenagogues * Locard's Principle of Exchange * Incest * Catamite
- * Two Types of Sexual Perversion * Paedestry * Indescent Assault * Types of Hymen * Peeping Tom
- * Bestiality * Define Sexual Perversions with two examples * Lust Murder * Classify Sexual Offences
- * Artificial insemination * Types of Sterilization * Two permanent methods of Sterilization in male
- * Two permanent methods of Sterilization in Female * Four temporary methods of Sterilization
- * Three indication for Artificial Insemination * Defloration * Virginity * Pseudocyesis * Quickening
- * F.H.S * Goodeles Sign * Haggars Sign * Jacquemiers Sign * Braxton Hicks Sign * Height of Uterus
- * Lochial Discharge after Delivery * Posthomous Child * Suppositious Child * Bastard Child

- * Still born Child * Dead Born Child * Viable Child * Foetus Papyraceous * Foetus Compressus
- * Atavism * Four natural causes of death in a new born / infant * Motive for Infanticides
- * Four Accidental causes of death in a new born / infant * Causes of death in Infanticides
- * Medicolegal importance in case of sterility & impotency * Two types of incision in Autopsy
- * Name of other Fibers which resembles with Hair * Formula for Cephalic Index * Types of Cranial Index
- * Examples of External Congenital Deformities or Peculiarities * Data required for estimation of Age
- * Examples of External Acquired Deformities * Hess Formula * Karl Pearson Formula * Tattoo Marks
- * Basic Patterns of Finger Prints * Medicolegal Importance of Scar * Methods of Removing Tattoo Marks
- * Examples of Preservatives used for Preservation of Visceras * Types of Identifications
- * Methods of Taking Finger Prints
- * Signs of Life * Signs of Somatic Death * Signs of Molecular Death * Types of Suspended animations
- * Formula for Estimating Time of Death * Forensic Entomolgy * Medium in which body is Preserved
- * Composition of substances in Adipocere * Modes of Death * P.M. Caloricity
- * Examples of Grievous Hurt * Section 320 * Defence wound * Fabricated Wound * Types of Drowning
- * Types of Strangulation * Types of Suffocations * Types of Abrasion * Types of Laceration
- * Factors influencing Contusion * Dry Drowning * Causes of death in Hanging
- * Causes of Death in Strangulation * Bansdola * Lynching * Friction Burns * Types of Burn * Heat rupture
- * Immediate signs of death * Late Signs of Death * Early Signs of Death * M.L.I. of Adipocoere
- * External Factors influencing rate of Decomposition * Factors influencing Ligature Mark
- * Internal Factors influencing rate of Decomposition * Kinds of Weapons

(Toxicology)

- 1) Length and Diameter of Ewald Boastube 2) Length and Diameter of Stomach tube
- 3) Two contraindication when tube is not passed 4) Position of Patient while passing tube
- 5) What is Vitriolage 6) what is Vitriol throwing 7) Condition of Tongue and Teeth in H₂So₄ Poisoning
- 8) F.D and F.P of H₂So₄ 9) F.D and F.P of HNO₃ 10) F.D and F.P of HCL 11) What is poison
- 12) What is Toxicology 13) Common Poison used for suicidal purpose
- 14) Common poison used for Homicidal purpose 15) Factors which modify action of poison
- 16) What is general line of treatment in a suspected case of poison
- 17) How you will remove the unabsorbed poison 18) What is mechanical antidotes
- 19) What is antidotes 20) What is chemical antidotes 21) Composition of universal antidotes
- 22) What do you mean by Antagonist 23) Name two chelating agent
- 24) What is BAL 25) What is EDTA 26) Dose of BAL 27) Dose of EDTA
- 28) Diagnosis of Poisoning in dead 29) Uses of H₂So₄ 30) Uses of HNO₃ 31) Uses of HCL
- 32) What is Carboluria 33) What is Burtonian line 34) Fatal dose & FP of Carbolic acid
- 35) Fatal dose & FP of Phosphorus 36) Fatal dose & FP of Lead 37) Fatal dose & FP of Cocaine
- 38) Fatal dose & FP of Canabis indica 39) Fatal dose & FP of Opium 40) Fatal dose & FP of Nux Vomica
- 41) Fatal dose & FP of Absolute Alcohol 42) Fatal dose & FP of Orgaonophosphorus comp
- 43) Fatal dose & FP of Methyl Alcohol 44) Fatal dose & FP of Dhatura 45) Fatal dose & FP of Castor
- 46) Fatal dose & FP of Croton 47) Fatal dose & FP of HCN 48) Fatal doze & FP of Cyanides
- 49) Two salts of lead & their uses 50) What is Phossyjaw? 51) What is Phosphorence?
- 52) Three important S/s of Lead-poisoning 53) Three important S/s of Nux Vomica
- 54) Classification of Organophosphorus comp. 55) Example of organophosphate insecticides
- 56) Example of Chlorinated Hydrocarbon 57) Routes of administration of Poison
- 58) Routes of elimination of Poison 59) Advantage of Arsenic Poison
- 60) Disadvantage of Arsenic Poison 61) Skin changes in Arsenic Poison
- 62) With which Diseases Arsenic Poison is differentiated? 63) Name Arrow Poison
- 64) With which diseases or condition Opium poisoning is differentiated?

- 65) Which are the pathological conditions simulating Alcoholic intoxication?
- 66) Vegetables seeds which resembles with Dhatura seeds?
- 67) Characteristic of hand movements in Dhatura poison 68) Characteristic of N.V seeds
- 69) Poison causing constriction of pupil 70) Poison causing dilatation of Pupil
- 71) Poison causing Hepatotoxicity 72) Poison causing alternate constriction & dilatation of Pupil
- 73) Poison with characteristic smell 74) Poison causing froth at nose & mouth
- 75) Composition of Universal Antidote 76) In which Poison Rectified spirit is not used?
- 77) Contraindication of Emetics 78) Examples of Cattle Poisoning 79) Magnans Syndrome
- 80) Runs Amoke

Q.2] Short Answers (any four out of six)

4 X 5 = 20

- * Magistrate inquest * Police inquest * Coroner inquest * Summons * Conduct money * M.O. Fees
- * Witnesses * Dying Declaration * Dying Deposition * Doctor in Witness box * Exhumation
- * Legal Sentences given by Indian court * Punishment given by Indian Court * Juvenile Court
- * Duties & Powers of Coroner * Difference between coroner Court & Magistrate court
- * Difference between Police inquest & Coroner inquest * Dr. – Patient Relationship
- * Contributory Negligence * Product Liability * Vicarious Responsibility * Professional secrets
- * Privileged Communications * Volunteering statement * Civil Malpraxis * Criminal Malpraxis
- * Infamous Conduct * Professional Misconduct * Euthanasia * Mercy killing * Ethical Malpraxis
- * Criminal Negligence * Rights & Privilege of a Registered Practitioner * Duties of Patient * Malpraxis
- * Workmen compensation Act * Consumer Protection Act * Medical Examiner System * Offences
- * Types of Court & their Powers * Expert Witness * Oath taking * Evidences * Medical Evidences
- * Examination in Chief * Cross Examination * Medical Certificates * Medico legal Reports
- * Recording of Evidences * Cephalic Index * Finger Prints * Medico Legal Aspects of Age * Dactylography
- * Tattoo Marks * Procedure & Importance of Exhumation * Lucid Interval * Hallucination * Delusion
- * Illusion * Obsession * Impulses * Difference between True & False Insanity * False Insanity * Idiocy
- * Schizophrenia * Somnambulism * Coma * Syncope * Asphyxia * Diatoms * Forensic Entomology
- * Embalming Process * Mummification * Adipocere * Rigor Mortis * Cadaveric spasm * Putrification
- * P.M. Caloricity * P.M. lividity * P.M. Interval * Inquest * Oral Evidences * Rule of Dozen * Rule of Nine
- * Burn * Death due to Electricity * Suspended Animation * Judicial Electrocution * Sati
- * Causes of death in Burn * Scalds * Difference between Burns & Scalds * Dowry Death
- * Difference between A.M. & P.M. Burn * Pugilistic Attitude * Boxing Attitude * MTP Act
- * Unprofessional Conduct * Leading Question * Virginitiy * Difference between True & False Virgin
- * Difference between Virginitiy & Defloration * Right & Detail about Hymen * Blood Stain * Seminal Stain
- * Blood Group * Bestiality * Sodomy * Buccal Coitus * Sadism * Masochism * Lesbianism * Peeping Tom
- * Classification of Burn * Incest * Indecent Assault * Depuytren's Classification of Burn * Super Foetation
- * Super Fecundation * Impotency * Sterilisation * Artificial Insemination * Sterility * Sin of Gomorrah

* P.M. Artefacts * Methods of sterilization * Medical Ethics & Etiquettes * P.M. Staining

* Autopsy Report * The Drugs & Cosmetics Rule 1945 * Foetal Heart Sound * Corpus Delecti

* Condition Simulating Rigor Mortis * Caffey Syndrome * Ballotment * Quickening * Signs of Pregnancy

* Judicial Hanging * Diagnosis of Death from Drowning * P.M. findings in Drowning * Race

* Classification of wounds * Abrasion * Bruise * Lynching * Ligature Mark in Hanging * Cartidge

* Grievous Hurt * Section 320 IPC * Incised wound * Lacerated Wound * Stab Wound * Function of CCH

* Klinefelter Syndrome * Test for Confirmation of Cessation of Circulation * Cadaveric Spasm

* Test for Confirmation of Cessation of Respiration * Drug Induce Method for inducing Criminal Abortion

* Homoeopathic Central Council 1973 * Hostile Witness * Scar * Hydrostatic Test * Floatation Test

* Galton System * Professional Negligence * Legitimacy * Starvation & its S/S

* Mechanical Violence used for inducing Criminal Abortion * Circumstantial Evidences

* Drug induce method for inducing criminal Abortion * Consumer Protection Act (copra)

* Rights of Patient * Anthropometry * Turner Syndrome * Hessrule * Modes of Death

* Pulling of Death Body * Changes in Muscles after Death * Time since Death * Causes of Death in Burns

* P.M. finding in Burns * Civil Responsibility of Insane * P.M. Appearance in Hanging * MLA of Hanging

* Mechanism of Drowning * MLA of Drowning * Types of Asphyxia & Ligature marks on Neck

* Natural causes of infant death * Accidental causes of Infant death * Criminal Causes of Infant death

* P.M. appearance in death due to Lightning

Q.3] Write Short Answers (Four out of six)

4 X 5 = 20

- * Cattle Poisoning * Stomach Tube * Ewald Boas Tube * Preservative * Drugs & Cosmetics Act 1945
- * Bombay Prohibition Act * Snake Venom * BAL * Chelating Agent * EDTA * Vitriol Throwing * Carboluria
- * Vitriollage * Treatment of Lead Poisoning * Treatment of Snake Poisoning * Universal Antidote
- * Treatment of Dhatura poisoning * Treatment of Mineral Poisoning * Kerosene Poisoning * Emetics
- * Treatment of Nux Vomica Poisoning * Treatment of HCN Poisoning * Treatment of Opium Poisoning
- * Treatment of Carbolic Acid Poisoning * Treatment of Organophosphorus Poisoning * Rati Poisoning
- * Treatment of Cocaine Poisoning * Treatment of Cannabis Indica Poisoning * Phossy Jaw
- * Treatment of Phosphorus Poisoning * Treatment of Alcohol Poisoning * Lead Encephalopathy
- * Characteristic of Ideal Homicidal Poison * Characteristic of Ideal Suicidal Poisoning * Drug Dependence
- * Preservation of Viscera * Sui Poison * Cause of Death in Alcoholic * Hallucinogen * Food Allergy
- * Routes of Administration & Elimination of Poison * First Aid Treatment in Snake Bite * Lead Line
- * Delirium Tremens * Korsakoff Psychosis * Macwans Signs * General S/S of Mineral Acid Poisons
- * S/S of Sulphuric Acid & Vitriol Throwing * S/S of HNO₃ * S/S of Oleander poison
- * S/S & Treatment of Carbondioxide Poison * S/S & Treatment of Carbon monoxide Poison
- * Treatment of Acid Poisons * Advantage & Disadvantage of arsenic Poison * S/S of Aconite poison
- * S/S in Chronic Arsenic Poisons * Treatment in Arsenic Poisons * P.M. findings in arsenic Poisons
- * S/S of HCN & its Fatal Dose & Fatal Period * P.M. in HCN Poisons * S/S of Carbolic Acid poison
- * What is Carboluria. P.M. in Carbolic Acid Poisons * S/S in cannabis Indica Poisoning
- * MLA of Cannabis Indica Poisons * Runs Amoke * S/S of Opium * MLA of Opium * MLA of Aconite poison
- * S/S in Acute Phosphorus Poisoning * P.M. in Phosphorus Poisoning * Chronic Phosphorus Poisoning
- * General S/S of Irritant Poisoning * S/S of Acute Lead Poisoning * S/S Chronic Lead Poison
- * S/S of Nux Vomica Poisons * S/S of Insecticides * S/S of Organophosphorus Poisons
- * Treatment of one Insecticides * S/S of Alcohol * P.M. in alcoholic poisoning * S/S of Methyl Alcohol
- * Drunkenness * S/S of Snake Bite * S/S of Castor Poison * S/S of Proton poison * S/S of Dhatura
- * S/S of Cocaine * Treatment of Cocaine * MLA of Cocaine * Modus Operandi in Dataram Poison

Q.4] Long Answer Question (any 2 out of 4)

2 x 10 = 20

- * Classify wounds. Describe about wounds of entry & wounds of exit.
- * Describe injuries caused by Sharp cutting pointed objects. How you will enter the description of Stab Wounds in P.M. report?
- * Classify wounds & describe Bruise in detail.
- * Classify Mechanical injury & write in detail about Bruise.
- * Classify wounds. How you will distinguish between A.M. wound & P.M. wound.
- * Define Injury. Medicolegal classification of Injury. Write in detail about incised wound.
- * Define Contusion. Discuss the factors influencing its formation & appearance.
- * What is Firearm Injury? M.L.I. of firearm injury.
- * Classify Wounds. Differentiate between Suicidal, Homicidal & Accidental wounds.
- * Discuss Grievous hurt in detail. Differentiate between A.M. & P.M. injuries.
- * Classify Mechanical injuries & give data that will help you in the determination of the age of injury.
- * Classify Mechanical injuries. Discuss the medicolegal aspects of Abrasions/Contusion.
- * What is Rule of Nine with diagram? Distinguish between A.M. burn & P.M. burn.
- * Describe in detail various types of burn & their medicolegal aspects.
- * Give degrees of burn. How you will estimate Severity of burn.
- * What is burn? Write in detail about P.M. findings in Death due to Burn.
- * Classify burns. Describe various findings which help to decide that burns are antemortem.
- * Describe burns. What is Rule of Nine? Discuss the causes of Death in Burn.
- * Define burns. Give its classification. What are the causes of death in burn?
- * What is Exhumation? Mention the precaution that you will take & briefly describe the Autopsy of Exhumed body.
- * What is P.M. interval? Discuss the methods of determination of P.M. interval.
- * What are the signs of death? Describe the various changes that the muscles undergo after death.
- * Define death & its types. What are the different signs of death? Write about the Putrification/Mummification.
- * Enumerate the factors which help in estimating time since death.

- * What are the various signs of death? Which signs help to determine the time after death & how?
- * Describe the Rigor mortis. Describe difference between Rigor Mortis & Cadaveric Spasm.
- * What are the immediate changes after death? How do you test for stoppage of Nervous functions circulation & respiration?
- * What is Rigor Mortis? How it is formed? Differentiate between Rigor Mortis & Cadaveric Spasm.
- * Describe Rigor Mortis. Give Conditions simulating Rigor Mortis.
- * What are the late signs of death? Write about Rigor Mortis or Putrification or Saponification or Mummification.
- * What is Putrification? Discuss the various factors affecting putrification.
- * What is Drowning? Describe the P.M. findings in Drowning case.
- * Enumerate various type of death from Asphyxia. Differentiate between Hanging & Strangulation.
- * Describe the P.M. features in case of typical hanging.
- * Classify asphyxial death. Define Drowning. Give S/S & cause of death.
- * S/S & causes & mechanism of Drowning.
- * Define Strangulation. Write in detail S/S & P.M. finding.
- * What is Strangulation? Give P.M. appearances in Throttling.
- * Enumerate the various types of death from Asphyxia & describe hanging or strangulation.
- * Classify Asphyxial death. Define Drowning. P.M. appearances in drowning & what is Burking?
- * What is suffocation? Discuss the P.M. findings in death due to suffocation.
- * Define Hanging. Describe S/S & medicolegal importance of Hanging.
- * What is Asphyxia? Describe how you will investigate in case of death due to suffocations due to poisonous gas in chamber.
- * How you will proceed for P.M. examination of young persons whose cause of death is not known?
- * Define medicolegal autopsy. Explain objects precautions & requirements in detail.
- * Describe in short the P.M. changes in the body.
- * Discuss in detail the aims & objectives of conducting a medicolegal autopsy.
- * Define Identifications. Explain the medicolegal importance of examination of teeth.
- * What do you mean by Identity? What is medicolegal importance of Age?

- * What is medicolegal importance of Age? How you will find out whether person has attained majority or not?
- * Describe how you will proceed to identify a dead body on a railway track?
- * How you will determine the age of individual & give in brief the medicolegal importance of age.
- * How does a Permanent tooth differs from a temporary tooth? How does a dentition help to establish the age of person?
- * How do you establish the identity of an unidentified dead body?
- * Discuss how you proceed to identify a living person.
- * Define Infanticides. Describe how you will determine at P.M. that child when born was alive or not in case of alleged infanticides.
- * Define Infanticides. How you will prove alive birth during P.M. examination?
- * What is Infanticides? What are its methods?
- * What is Medical Termination of Pregnancy act? What are the methods used for inducing criminal abortions?
- * Define Abortion. Classify Abortion. Describe the complication of criminal Abortions.
- * Describe the P.M. finding in a victim of recent criminal Abortion.
- * Define Abortion classify it & give its causes.
- * What you mean by Abortion, Miscarriage & Premature delivery? Define criminal abortion & means employed in criminal abortion.
- * What precaution should be taken by a doctor while treating a woman with undergone criminal abortion?
- * What are various signs of pregnancy? Discuss the medicolegal aspects of pregnancy.
- * Describe in detail the presumptive, probable & positive signs of pregnancy & M.L.I. of pregnancy.
- * Describe the signs of recent delivery in the living.
- * Define Rape. How you will carry out examination of Rape victim?
- * Define Rape. Describe in detail the findings in victim of Rape.
- * What are unnatural sexual offenses? Write in brief about Sodomy.
- * Classify Sexual offenses. Define rape. What are the findings in a accused of Rape.
- * Classify unnatural Sexual offenses. Write in brief any 1 of them.

- * Define sexual perversion. Write findings of active & passive agent in case of sodomy.
- * What is Sodomy? Explain the signs that you will observe in participant.
- * Define Sexual perversions. Write in detail about Bestiality & Lesbianism.
- * Define sodomy. Describe the finding in habitual passive agent.
- * Define Sexual perversion. Write in detail about Bestiality.

Q.5] Long Answer Question

(Metallic & Non-metallic Poisons, Animal poisons, Agricultural Poisons)

1 x 20 = 20

- * Describe S/S, Treatment & P.M. of Organophosphorus Poison
- * Describe S/S, Treatment & P.M. of Venomous Snake Bite
- * Classify Poison & Describe S/S & Treatment of Arsenic Poison
- * Describe S/S, Treatment & P.M. in Chronic Lead Poisoning
- * Define Poison. Classify Poison with examples. Write in detail about S/S, Treatment in Lead Poisoning.
- * Write S/S, Treatment in case of Arsenic Poison. Add a note on Arsenic Poison & Cholera.
- * Classify Poison & describe S/S, Treatment & P.M. of Phosphorus Poison.
- * What is Phossy Jaw? Describe S/S, Treatment & P.M. of Phosphorus.
- * Classify Snakes. Describe the C/F & management of Snake Bite Poisoning.
- * Discuss in detail the S/S, management & P.M. of Organophosphorus Poison.

Q.6] L.A.Q

20 Marks

- * What is Stupefying Agent . Write the S/S, Treatment & P.M. of Datura poisoning.
- * Write the S/S, Treatment & P.M. in case of Opium Poison.
- * Write the S/S, Treatment & P.M. in case of Alcohol Poison.
- * What is Run Amok? Describe S/S, Treatment & P.M. in Cannabis Indica Poison.
- * What is Magnans Syndrome? Write in detail S/S, Treatment P.M. in Cocaine Poison.
- * What is Carboluria? Write the S/S, Treatment & P.M. in case of Carbolic Acid Poisoning.
- * Write the S/S, Treatment & P.M. in case of HCN Poison.
- * Write the S/S, Treatment & P.M. in case of Nux Vomica Poison.
- * Write the S/S, Treatment & P.M. in case of HNO₃ H₂SO₄ Poison.
- * What are Corrosive Poisons? Discuss in detail about S/S, management of H₂SO₄ & HNO₃.
- * Discuss in detail Chronic Ganja Psychosis.

Q.7] Toxicology (L.A.Q)

20 marks

- * Define Poison. What is Antidotes? Describe the various types of Antidotes with suitable example. Add a note on universal antidotes.
- * Define Toxicology. What are the Precautions taken by M.O. in suspected cases of Poison?
- * What is an Antidote? Give its classification. Describe the procedure of Stomach Wash.
- * What are the different actions of Poison? What are the factors which influence the action of Poison?
- * Define Toxicology. Write in detail about general line of treatment of Poisoning.
- * What is Preservative? Describe the process of Preservation & dispatching of Viscera's in case of suspected Poison.
- * Classify Poison with examples & what are the Precautions taken by M.O. in suspected case of Poison?
- * How you will Diagnose Poisoning in living person & in Dead person's body?
- * What do you mean by Antidotes? What are their indications? Describe in detail about the duties of Doctor in Suspected cases of Poisoning.

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