

Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations, April 2013

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. Define 'Drunkenness'. Explain, how the state of drunkenness renders the driving of a vehicle dangerous. What is Widmark's formula. (2+4+1=7)

Short notes: (5x3=15)

2. Post mortem lividity
3. Estimation of time since injury in contusion
4. Functions of the state medical council
5. Examination findings in a 14 year old victim of rape
6. Neck findings in a case of death due to hanging

Answer briefly: (5x2=10)

7. Hesitation cuts
8. Contributory negligence
9. Primary impact injuries
10. Delusion
11. Testamentary capacity

Differentiate between: (2x2=4)

12. Male pelvis and female pelvis
13. Entrance wound and exit wound caused by a bullet

Draw and label: (2x2=4)

14. Different types of finger prints
15. Cross section of a rifled barrel

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations,
September 2013

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. Define hanging. Describe the post mortem findings in a case of death due to typical hanging. Add a note on auto erotic sexual asphyxial death. (1+4+2=7)

Short notes:

(5x3=15)

2. Magistrate's inquest
3. Informed consent
4. Causes of death in burns
5. Treatment of a case of cyanide poisoning
6. Manifestations in a case of datura poisoning

Answer briefly:

(5x2=10)

7. Suspended animation
8. Brain-stem death
9. Complications of criminal abortion
10. Impulse
11. Rule of Hasse

Differentiate between:

(2x2=4)

12. Respired and unrespired lung
13. Epidural hemorrhage and heat hematoma

Draw and label:

(2x2=4)

14. Different types of hymen
15. Entrance wound caused by rifled firearm fired from a distance within the reach of flame

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations, March 2014

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. A forty years old man's body is brought for post mortem. An oblique ligature mark is present over the neck. Dried salivary stain over right angle of mouth. Hyoid bone is intact.

Answer the following:

- What is your probable opinion regarding cause of death.
- Difference between hanging and strangulation.
- How will you differentiate ante mortem hanging from post mortem hanging.

(1+3+3=7)

Short notes:

(5x3=15)

2. Color changes in contusion
3. Procedure in admission of an insane person in a mental asylum
4. Changes of body in putrefaction
5. Mercuria lentis
6. Intra cranial hemorrhage

Answer briefly:

(5x2=10)

7. Carbolic acid
8. Burtonian line
9. Calibre of a fire arm
10. Cadaveric spasm
11. Disputed paternity

Differentiate between:

(2x2=4)

12. Ante mortem and post mortem bruise
13. Arsenic poisoning and cholera

Draw and label:

(2x2=4)

14. Different types of finger prints
15. Ligature mark pattern in strangulation.

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations,
September 2014

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. A dead fetus was recovered from the dust bin. Crown heel length was 35 cms. Finger nail marks with contusions were noted in the neck. Answer the following:

- Estimate the gestational age with reason
- Mention the ossification centers which are likely to be found in this case
- Is this fetus viable or not
- What is the cause of death

(2+3+1+1=7)

Short notes:

(5x3=15)

2. Signs of ante mortem hanging
3. Cross examination
4. Informed consent
5. Plumbism
6. Section 375 of Indian penal code

Answer briefly:

(5x2=10)

7. Lochia
8. Bloodless dissection of neck
9. Hallucination
10. Filigree burns
11. Ectopic contusion

Differentiate between:

(2x2=4)

12. Complete and partial hanging
13. Adipocere and mummification

Draw and label:

(2x2=4)

14. Skin incisions at autopsy
15. Longitudinal section of rifled cartridge

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations, February 2015

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. A 30 years old male comes to trauma center with history of head injury. He does not remember the incident. After a couple of hours he loses consciousness and his condition progressively deteriorates and he dies. Answer the following:

- What is the likely diagnosis
- Mention the source of bleeding
- What is the medico legal importance of this condition
- What is the emergency procedure that needs to be done

(2+3+1+1=7)

Short notes:

(5x3=15)

2. Traumatic asphyxia
3. Magistrate inquest
4. Infamous conduct
5. Vicarious liability
6. Presumptive signs of pregnancy

Answer briefly:

(5x2=10)

7. Cadaveric spasm
8. Tattoos
9. Sudden infant death syndrome
10. Testamentary capacity
11. Chelating agents

Differentiate between:

(2x2=4)

12. Medico legal and pathological autopsy
13. Strychnine poisoning and tetanus

Draw and label:

(2x2=4)

14. Types of finger print pattern
15. Entry wound of rifled firearm from a close range

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations, February 2016

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. A 20 years old male was bitten on the foot by a snake while he was working in fields. He killed the snake and brought it to casualty along with him. It had a triangular head and black diamond shaped patches on the back. There was swelling and blood oozing from the site of bite. Answer the following:

- Identify the snake
- What is the nature of its venom
- Mention the first aid management that can be given in such a bite
- What is the specific management to be given in this case

(1+1+3+2=7)

Short notes:

(5x3=15)

2. Pathophysiology of fresh water drowning
3. Police inquest
4. Functions of state medical council
5. Ingredients of medical negligence
6. Dactylography

Answer briefly:

(5x2=10)

7. Maceration
8. Objectives of medico legal autopsy
9. Signs of virginity
10. Positive signs of pregnancy
11. Delusion

Differentiate between:

(2x2=4)

12. Post mortem lividity and contusion
13. Somatic and molecular death

Draw and label:

(2x2=4)

14. Longitudinal section of shot gun cartridge
15. Stomach wash tube

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations,
October 2016**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. Classify mechanical asphyxia. What are the types of hanging. What are the autopsy findings of hanging and mention its medico legal aspects. (2+2+2+1= 7)

Short notes: (5x3=15)

2. Dowry death
3. Duties of a registered medical practitioner
4. Medical termination of pregnancy act
5. Consumer protection act
6. Dactylography

Answer briefly: (5x2=10)

7. Signs of a live born child
8. Drugs of abuse and dependence
9. Aims of medico legal autopsy
10. Tandem bullet
11. Importance and limitations of stomach wash

Differentiate between: (2x2=4)

12. Civil negligence and criminal negligence
13. Ante mortem burns and post-mortem burns

Draw and label: (2x2=4)

14. Time since death graph
15. Hyoid bone fractures

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations,
August 2017**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. Define Section 375 IPC. Describe in detail about the procedure of examination of female survivor of sexual assault. What are the material evidence to be collected from the survivor. (2+2+3)

Short notes: (5x3=15)

2. Dying declaration
3. Livor mortis
4. Coup and contra coupe injuries
5. Autopsy findings in battered baby syndrome.
6. Contraindications for gastric lavage.

Answer briefly: (5x2=10)

7. Medical maloccurance
8. PALTAUF'S hemorrhage
9. Precipitin test
10. Findings in chronic lead poisoning.
11. Magnans symptom

Differentiate between: (2x2=4)

12. Morphology of temporary teeth and permanent teeth
13. Arsenic poisoning and cholera

Draw and label: (2x2=4)

14. Four main patterns of finger prints
15. Cross section of shot gun cartridge

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations, February 2017

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. A 25 years old male was brought to hospital with history of snake bite. The person has seen the snake and it had a hood on head. There were two bite marks noticed in right ankle with swelling and ptosis were observed in both eyes. Answer the following:

- What is the most possible snake in this case.
- How will you manage a case of snake bite.
- How will you identify a poisonous snake. (2+3+2=7)

Short notes: (5x3=15)

2. Internal finding in a case of death due to drowning.
3. Primary impact injuries
4. MTP ACT.
5. Benzidine test.
6. Exhumation.

Answer briefly: (5x2=10)

7. Burtonian line.
8. Antidotes.
9. Joule burn.
10. Criminal negligence.
11. Impotence in males.

Differentiate between: (2x2=4)

12. Coup injury and contre coup injury
13. Coroner inquest and police inquest.

Draw and label: (2x2=4)

14. Barr body.
15. Longitudinal section of shotgun cartridge.

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations
July 2018**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay:

(7)

1. A farmer Suddenly collapsed while spraying in the paddy field and brought to casualty. On examination he was unconscious, there was tachycardia, excessive sweating and salivation. An unusual offensive smell was emanating from his clothes. answer the following
 - Probable diagnosis
 - How do you manage
 - Post mortem findings, if the patient dies
 - What are the samples to be collected during the postmortem examination and how will you preserve each.

(1+2+2+2)

Short notes:

(5x3=15)

2. Dying declaration
3. Criminal responsibility in mentally ill person
4. Types of lacerations
5. Saponification
6. Plumbism

Answer briefly:

(5x2=10)

7. Privileged communication
8. Joule burn
9. Cafe coronary
10. Contrecoup injury
11. Diatom test

Differentiate between:

(2x2=4)

12. Contusion and postmortem staining
13. Burns and scalds

Draw and label:

(2x2=4)

14. Body incisions during postmortem examination.
15. Longitudinal section of shot gun cartridge

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations February 2018

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. A 16 years old unmarried woman was brought to casualty with high temperature, tachycardia and dyspnea. On examination the woman showed pelvic emphysema, wine coloured foul smelling discharge from the vagina and died shortly while undergoing treatment. Answer the following:

- What is the provisional diagnosis
- Causative organism
- Post mortem findings
- Medico legal aspects

(1+1+3+2)

Short notes: (5x3=15)

2. Professional negligence
3. Criminal responsibility of mentally ill person
4. Sexual asphyxias
5. Caffey's syndrome
6. Management of methanol poisoning

Answer briefly: (5x2=10)

7. Perjury
8. Fabricated injury
9. Hermaphroditism
10. Vaginismus
11. Abrasion collar

Differentiate between: (2x2=4)

12. Rigor mortis and pugilistic attitude
13. Suicidal and homicidal cut throat wounds

Draw and label: (2x2=4)

14. Intracranial hemorrhages
15. Hyoid bone fractures

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Examinations February 2019

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. Define death. Classify the changes that occur on the body after death and add a note on the major postmortem changes. Enlist the factors which favour the adipocere formation. (1+4+2)

Short notes: (5x3=15)

2. Intersex
3. Privileged communication
4. Different types of intra-cranial hemorrhages.
5. Signs of recent delivery in a dead body
6. Carboluria

Answer briefly: (5x2=10)

7. Cross examination
8. Lynching
9. Spaldings sign
10. Lugol's iodine test
11. Delusion

Differentiate between: (2x2=4)

12. Human hair and animal hair
13. Burns and scalds

Draw and label: (2x2=4)

14. Longitudinal section of cartridge of rifled firearm.
15. Hood and mouth parts of a cobra

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations
July 2019**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- Answer all questions
- Draw diagrams wherever necessary

Essay: (7)

1. Define inquest. Mention the different types of inquest held. Describe in detail about the magistrate inquest. (1+2+4)

Short notes: (5x3=15)

2. Functions of Indian medical council
3. Algor mortis
4. Confirmative signs of pregnancy
5. Caffey syndrome
6. Delusion

Answer briefly: (5x2=10)

7. Signature fracture
8. False virgin
9. Takayama test
10. Vitriolage
11. Primary impact injury

Differentiate between: (2x2=4)

12. Ligature mark seen in suicidal hanging and strangulation
13. True bruise and artificial bruise

Draw and label: (2x2=4)

14. Vertical section of incisor tooth showing physiological changes
15. Wound of entry of rifled fire arm in a contact shot.

**Second Professional MBBS Degree Regular/Supplementary
Examinations February 2020**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. A 30 years old female was brought to casualty with history of poisoning. On examination following observations are noted. There was fine froth around mouth and nostrils, smell of kerosene like substance and pupils were constricted. Answer the following:

- What is the most likely diagnosis
- What are the other conditions where fine froth is seen around mouth and nostrils
- What material objects you preserve during autopsy to diagnose poisoning. (2+2+3)

Short notes: (5x3=15)

2. Estimation of burns on a body.
3. Fractures of the skull
4. Stomach wash tube
5. Injuries seen in pedestrians in road traffic accidents
6. Mc Naughton's rule

Answer briefly: (5x2=10)

7. Buggery
8. Still born baby
9. Feigned insanity
10. Temporary dentition
11. Entry wound in a fire arm injury.

Differentiate between: (2x2=4)

12. Perjury and hostile witness
13. Contusion and post mortem staining

Draw and label: (2x2=4)

14. Diatoms.
15. Spermatozoa

**Second Professional MBBS Degree Supplementary Examinations
December 2021**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. Define rape. What are the findings in a case of rape on a virgin. Add a note on procedure of examination and material evidence to be collected in rape victim.
(2+1+2+2)

Short notes: (5x3=15)

2. Mechanisms of death due to burns
3. Dying declaration
4. Suspended animation
5. Treatment of snake bite poisoning
6. Burking

Answer briefly: (5x2=10)

7. Caput succedaneum
8. Fetishism
9. Privileged communication
10. Ideal suicidal poison
11. Charas

Differentiate between: (2x2=4)

12. Entry and exit wound of firearm bullet.
13. True insanity and feigned insanity

Draw and label: (2x2=4)

14. Longitudinal section of shot gun cartridge
15. Types of Hymen

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Supplementary Examinations
February 2021**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. Classify mechanical injuries. How will you estimate age of abrasion. Mention the types of abrasion and what is its medico legal importance (2+2+2+1)

Short notes: (5x3=15)

2. Exhumation
3. Various types of courts in India
4. Cadaveric spasm
5. Functions of state medical council
6. Civil responsibility of an insane person

Answer briefly: (5x2=10)

7. Livor mortis
8. DNA finger printing
9. Aims of foetal autopsy
10. Chelating agents
11. Cardiac poisons

Differentiate between: (2x2=4)

12. Dying declaration and dying deposition
13. Executive magistrate and judicial magistrate

Draw and label: (2x2=4)

14. Shot gun cartridge
15. Human spermatozoa

Q.P. Code: 207001

Reg. no.:

**Second Professional MBBS Degree Regular/Supplementary
Examinations May 2021**

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(7)

1. A 40 years old man was found on a highway and brought to emergency department with fever, rashes throughout the body and runs away from bed repeatedly. On examination, he has tachycardia, exaggerated deep tendon reflexes, hallucinations of sight and hearing, delirium. After 2 hours he slipped into coma and died. Answer the following:

- What was the probable condition in this case with reasons
- How do you manage
- Post mortem findings
- Medico legal aspects

(2+2+2+1)

Short notes:

(5x3=15)

2. Consent
3. Define rape
4. Rigor mortis
5. Post mortem appearance in drowning
6. Types of skull fractures

Answer briefly:

(5x2=10)

7. Exhumation
8. Filigree burns
9. Suspended animation
10. MTP Act
11. Artefact

Differentiate between:

(2x2=4)

12. Civil and criminal negligence
13. Real and feigned insanity

Draw and label:

(2x2=4)

14. Rule of nine
15. Circle of Willis

2010 Scheme

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations May 2022

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. Define firearms. What are the different types. Give a brief description on choking and rifling

Short notes: (5x3=15)

2. Secondary impact and secondary injuries.
3. Superfetation
4. Pink Teeth
5. Partial hanging
6. Defloration

Answer briefly: (5x2=10)

7. Vitriolage.
8. Cut fracture
9. Peeping Tom
10. Quickening and Medico legal significance
11. Blood Alcohol Levels

Differentiate between: (2x2=4)

12. Chop wounds and Lacerated wounds
13. Antemortem burns and post mortem burns

Draw and label: (2x2=4)

14. Rifled Cartilage
15. Age determination from teeth

2010 Scheme

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations October 2022

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. Define Infamous conduct. Mention briefly a list of professional misconduct. Write a note on the punishments and disciplinary actions for the above.

Short notes: (5x3=15)

2. Casper's dictum
3. Wreden's Test
4. Whiplash injury
5. Drug Facilitated Sexual Assault (DFSA)
6. Magistrate inquest

Answer briefly: (5x2=10)

7. Ring fracture
8. Precipitin test
9. Types of anoxia
10. Aphrodisiac Agents.
11. Souvenir bullets

Differentiate between: (2x2=4)

12. Flame Burns and scalds
13. Wet drowning and dry drowning

Draw and label: (2x2=4)

14. Gustafson's method of age estimation from tooth
15. Types of external injury in stab wounds

2010 Scheme

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations March 2023

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. Define drowning. what are the types of drowning. Describe the post mortem findings in a case of death due to drowning. (1+2+4)

Short notes: (5x3=15)

2. Informed consent
3. Types of fracture of skull
4. Datura poisoning sign and symptoms
5. Cross examination
6. Adipocere

Answer briefly: (5x2=10)

7. Bestiality
8. Conduct money
9. Viability
10. Blood grouping in disputed paternity
11. Carboluria

Differentiate between: (2x2=4)

12. Post mortem staining and contusion
13. Poisonous and nonpoisonous snakes

Draw and label: (2x2=4)

14. Longitudinal section of human hair
15. Anal findings of sodomy in passive agent

**Third Professional MBBS (Part I) Degree Supplementary Examinations
August 2023**

**Forensic Medicine & Toxicology
(2019 Scheme)**

Time: 3 Hours**Total Marks: 100**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw diagrams wherever necessary

Long Essays**(2x15=30)**

1. In a case of death following laparotomy, at autopsy it is noted that there was a gauze piece in the abdomen.
 - a) Explain the principle in the above case.
 - b) Enumerate the differences between criminal and civil medical negligences
 - c) Describe the defence available for the doctor against medical negligence.
 - d) Add a note on professional indemnity insurance. (5+4+3+3)
2. The charred body of a female was recovered from a house with alleged history of sustaining burns in a case of stove explosion.
 - a) Describe the post mortem findings in the case of ante mortem burns.
 - b) How to differentiate ante mortem & post Mortem burns.
 - c) List the probable causes of death in a case of burns.
 - d) Add a note on death due to lightning. (5+3+3+4)

Short Essays**(5x8=40)**

3. Describe the unnatural sexual offences. Write briefly on sexual perversions.
4. Describe the procedure of recording evidence in Court. Write briefly on dying declaration.
5. What are the legal duties of a doctor while treating a case of suspected poisoning. Discuss general principles of treatment of acute poisoning.
6. Mention various types of drowning. Describe the post mortem findings in a case of wet drowning.
7. Define Infanticide. Describe the various methods usually adopted for carrying out infanticide. Add a note on Hydrostatic test.

Short Answers**(5x4=20)**

8. Define Identity. How will you establish sex of an individual in a dead.
9. Blood groups and medico legal Importance
10. What is contributory negligence. Explain with examples
11. Describe the functions of National Medical Commission (Erst while Indian Medical Council).
12. Infamous conduct

Precise Answers**(10x1=10)**

13. Hostile witness
14. Lucid interval
15. Toxalbumen
16. Vitriolage
17. Spalding's sign.
18. Hesitation cuts
19. Poroscopy
20. Delusion
21. Super Imposition Technique
22. Contre-coup injury

**Third Professional MBBS (Part I) Degree Regular Examinations
February 2023**

**Forensic Medicine & Toxicology
(2019 Scheme)**

Time: 3 Hours**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Long Essays**(2x15)**

1. A 26-year-old woman following an altercation with her husband regarding dowry allegedly locked herself up in a room, poured kerosene over herself and set herself on fire. Her parents allege that she was strangled by her husband and then her body was set on fire by the in laws. Her body was found by the police. At autopsy, the body had dermo-epidermal burns all over the body. The joints of the upper limbs and lower limbs were flexed. On dissection, trachea had soot particles and mucosa was red and inflamed.
 - a) Is this a case of ante-mortem or post-mortem burns. Justify your answer.
 - b) Classify burns according to Wilson.
 - c) Which feature in this case denotes 'pugilistic attitude'. What is the mechanism.
 - d) How do you calculate the percentage of burns. Explain with a labelled diagram.

(3+4+4+4)
2. A 17-year-old was brought to the emergency in a semi-conscious state, after he had consumed an insecticide 'MALATHION'. Blue-green stains were present on the front of his shirt. Kerosene like odour could be perceived around him. He was declared dead half an hour later, after he failed to respond to the resuscitative measures.
 - a) What kind of compound is malathion. What are the signs and symptoms of malathion poisoning"
 - b) How do you manage and treat this case.
 - c) What are the samples to be collected for chemical analysis before death and at autopsy. Mention the preservatives used.
 - d) What is the medico legal importance

(4+4+4+3)

Short Essays**(5x8=40)**

3. Criminal responsibility of a mentally ill person.
4. a) Explain different features seen in close-shot rifled firearm injury and the reason behind each feature.
b) Mention six differences between entry wound and exit wound. (4+4)
5. a) Define paraphilia. b) Enumerate and describe the different kinds of paraphilias. (2+6)
6. Chronic mercury poisoning.
7. What is Locard's Principle of Exchange. Describe the different tests to detect blood stains. (2+6)

(PTO)

Short Answers**(5x4=20)**

8. Mention four differences between civil negligence and criminal negligence.
9. Write a short note on superimposition with respect to identification.
10. What are the differences between contusions and livor mortis.
11. Define illusion. Enumerate the different kinds of illusions.
12. What is body packer syndrome and body stuffers syndrome. Mention any two signs seen on radiological examination of such cases.

Precise Answers**(10x1=10)**

13. A legal inquiry into the cause of death is called _____.
14. Define medical etiquette.
15. 'Arch, whorl, composite and loop' are types of lip prints. True/False.
16. What is Contact Pallor.
17. What is the mixture of injuries seen in a bomb blast consisting of abrasions, contusions and punctate lacerations called.
18. Which section deals with Vitriolage.
19. Inability to stay off alcohol is called _____.
20. When does the ossification centre for lower end of femur appear.
21. Give one sign of a live birth during foetal autopsy.
22. What is another name for 'depressed' fracture.

**Third Professional MBBS (Part I) Degree Regular/Supplementary
Examinations February 2024**

**Forensic Medicine & Toxicology
(2019 Scheme)**

Time: 3 Hours**Total Marks: 100**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw diagrams wherever necessary

Long Essays**(2x15=30)**

1. The dead body of a male recovered from a lake was brought for autopsy with alleged history of drowning.
 - a) Define and mention types drowning.
 - b) Write the probable causes of death in a case of Drowning.
 - c) Enumerate the post mortem findings in a case of Drowning.
 - d) Add a note on Cadaveric Spasm. (3+3+6+3)
2. The dead body of a male was brought for autopsy with history of alleged consumption of poison at an agricultural land. He was a farmer by profession and after dissection the stomach was having a smell of kerosene
 - a) Identify the probable poison.
 - b) Describe its mechanism of action.
 - c) Enumerate clinical features, diagnosis and treatment of the above poison.
 - d) Explain the post-mortem findings and its medico legal importance. (2+4+6+3)

Short Essays**(5x8=40)**

3. Define Hanging. Describe post-mortem findings and mechanisms of death in typical hanging
4. Describe in detail the characteristics of entry wound of rifled firearm injuries shot at varying ranges.
5. Define Inquest and describe various types of inquest held in India
6. Mention the various factors that help in estimating the time since death. Describe Rigor mortis in brief.
7. Classify mechanical injuries. Describe the various causes of death from wounds

Short Answers**(5x4=20)**

8. Estimation of age of injuries
9. Organ transplantation Act
10. Traumatic Asphyxia
11. Privileged communication
12. Battered baby syndrome

Precise Answers**(10x1=10)**

13. Conduct money
14. Kleptomania
15. Contre-coup injury
16. Hesitation cuts
17. Smothering
18. Choking of firearm
19. Carboluria
20. Surrogate mother
21. Euthanasia
22. Joule burn

2010 Scheme

Q.P. Code: 207001

Reg. no.:

Second Professional MBBS Degree Supplementary Examinations March 2024

Forensic Medicine & Toxicology

Time: 2 Hours

Total Marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (7)

1. What is consent. What are the types of consent. Add a note on informed consent

(2+2+3)

Short notes:

(5x3=15)

2. Dying declaration
3. Classify mechanical injuries
4. Enumerate the complications of criminal abortion
5. Indecent assault
6. Mention the clinical features and treatment of Cerbera Odallam poisoning

Answer briefly:

(5x2=10)

7. Obscure autopsy
8. Narcoanalysis
9. Criminal responsibility of insane
10. Macerated fetus
11. Toxalbumin

Differentiate between:

(2x2=4)

12. Entry and Exit wound in a rifled firearm injury
13. Heat haematoma and Extradural haematoma

Draw and label:

(2x2=4)

14. Longitudinal section of human and animal hair
15. Primary skin incisions used in a medicolegal autopsy
