

# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## SECOND MBBS DEGREE EXAMINATION (OLD REGULATION)

### SUBJECT: FORENSIC MEDICINE

Tuesday, 24 April 2001

Time available: 3 Hours

Maximum Marks: 80

- 
- \* WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS
  - \* ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE.
- 

1. Explain "Mc Naughtens Rule". Enumerate FOUR methods to restrain a mentally ill person and explain briefly any one of the method. (3 + 2 + 3 = 8 Marks)
2. Write brief on:
  - 2A. What is Professional secrecy?. Mention SIX circumstances where in a doctor can violate the above duty. (1 + 3 = 4 Marks)
  - 2B. What is dying declaration?. Who should record it and what is its value? (2 + 1 + 1 = 4 Marks)
  - 2C. Mention FOUR circumstances where in a magistrate conducts an inquest. What are the power of sessions court? (2 + 2 = 4 Marks)
3. Define hanging. Explain FOUR Causes of death due to hanging. Describe the external postmortem findings over the neck and above the neck. (2 + 4 + 2 = 8 Marks)
4. Write brief on:
  - 4A. Explain any TWO conditions which resemble rigor mortis. (2 + 2 = 4 Marks)
  - 4B. What is entomology of the cadaver? Explain its medicolegal application. (2 + 2 = 4 Marks)
  - 4C. What are the objectives of performing a medicolegal autopsy?. Who are the authorities who can order for an autopsy in Karnataka. (3 + 1 = 4 Marks)
5. A dead body was recovered from a burning house. Explain as to how do you ascertain,
  - a) that the person was alive when the fire started.
  - b) The surface area burnt with the help of a diagram. (4 + 4 = 8 Marks)
6. Write briefly on:
  - 6A. What is MTP Act? Under what circumstances is it done? Who can do it? (1 + 2 + 1 = 4 Marks)
  - 6B. A married parous woman was raped. Describe the findings likely to be found on her body (4 Marks)

PAGE TURN OVER

- 6C. Explain FOUR causes of death due to cut throat injuries. (1 x 4 = 4 Marks)
7. Define drunkenness. Describe the procedure adopted for examining a person alleged to have consumed alcohol and opinion. (2 + 4 + 2 = 8 Marks)
8. Write briefly on:
- 8A. What are chelating agents? Explain its mode action. Classify chelating agents with examples. (1 + 1 + 2 = 4 Marks)
- 8B. Explain the various evidentiary materials which could be found on a rape victim. (4 Marks)
- 8C. What is dactylography? Explain the different patterns with the help of a diagram. What is its significance? (1 + 2 + 1 = 4 Marks)

\* \* \*

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**SECOND MBBS DEGREE EXAMINATION (NEW REGULATION)**

**SUBJECT: FORENSIC MEDICINE**

**Wednesday, 25 April 2001**

**Time available: 3 Hours**

**Maximum Marks: 40**

---

- WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS
  - ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE
- 

- 1A. Explain the term professional negligence. Enumerate the types of malpraxis with examples. (2Marks)
- 1B. Explain the term professional misconduct giving four examples. Add a note on the Judicial procedure of state Medical Council. (2 Marks)
- 2A. Enumerate the different types of Medical evidence. Discuss in detail the recording of dying declaration with precautions. (2 Marks)
- 2B. Discuss the different types of restraint of an insane. Add a note on Corpus Delicti. (2 Marks)
3. How will you determine postmortem interval on the basis of: ( 4 Marks)
- 3A. Rigor mortis.
- 3B. Postmortem lividity.
- 3C. Postmortem cooling.
- 3D. Gastric emptying.
- 4A. Enumerate violent asphyxial deaths. Describe the postmortem examination finding in a case of death due to throttling and hanging. (2 Marks)
- 4B. Enumerate and explain four common types of homicidal strangulation. (2 Marks)
- 5A. Describe the injuries caused by a shotgun at various ranges. (2 Marks)
- 5B. What is laceration ?. Describe the various types with examples. Mention the medicolegal importance of laceration. (2 Marks)

**PAGE TURN OVER**

- 6A. What is grievous hurt ?. Discuss. (2 Marks)
- 6B. What is contre coup injury ? Discuss. (2 Marks)
- 7A. Define rape. Mention the findings in a victim of rape who is a deflorate woman. (2 Marks)
- 7B. Classify artificial insemination. Discuss the legal complications of artificial insemination. (2 Marks)
- 8A. Discuss the legal duties of a Doctor in a case of suspected poisoning. (2 Marks)
- 8B. What is an antidote?. Classify antidotes giving examples. (2 Marks)
- 9A. Classify corrosive poisons. How will you clinically distinguish poisoning by each one of them? (2 Marks)
- 9B. What do you understand by the term drunkenness?. Briefly describe the signs, symptoms and treatment. (2 Marks)
- 10A. Mention the sources, clinical features, treatment and postmortem appearances in a case of carbon monoxide poisoning. (2 Marks)
- 10B. Enumerate any FOUR common house hold poisons. Write in detail on any ONE. (2 Marks)

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**SECOND MBBS DEGREE EXAMINATION (NEW REGULATION) – NOVEMBER 2001**

**SUBJECT: MICROBIOLOGY– PAPER I**  
**Friday, November 23, 2001**

**Time available: 3 Hours**

**Maximum Marks: 40**

- 
- **WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS**
  - **ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE**
- 

1. Describe the structure and functions of Immunoglobulins.

(6 Marks)

2. Name bacterial sexually transmitted diseases. Describe the pathogenesis and lab diagnosis of gonorrhoea.

(1+5=6 Marks)

3. Write short notes on:

(4x4=16 Marks)

3A. Helicobacter pylori

3B. Clostridium difficile

3C. Dry heat methods of sterilization

3D. Complement

4. Write brief on:

(6x2=12 Marks)

4A. Immunofluorescence

4B. Adjuvants

4C. Tetanus toxin

4D. Lymphogranuloma venereum

4E. Escherichia coli O 157 : H7

4F. Bacterial growth curve.