

**MANIPAL UNIVERSITY**  
**SECOND MBBS DEGREE EXAMINATION – MAY 2008**  
**SUBJECT: FORENSIC MEDICINE (ESSAY)**

Monday, May 12, 2008

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

**Answer all questions. Draw diagrams and flow charts wherever appropriate.**

1. Describe in detail the procedure of recording of evidence in a court of law. Add a note on perjury.  
(4+2 = 6 marks)
  
2. Write short notes on:
  - 2A. Privileged communications.
  - 2B. Principles and applications of DNA fingerprinting.
  - 2C. Hallucination and illusion.(3×3 = 9 marks)
  
3. What is putrefaction? Describe the various changes that occur during putrefaction. Add a note on Casper's dictum.  
(1+4+1 = 6 marks)
  
4. Write short notes on:
  - 4A. Negative autopsy and obscure autopsy.
  - 4B. Viable foetus.
  - 4C. Brain stem death.(3×3 = 9 marks)
  
5. Classify thermal injuries. Write in detail about the estimation surface area and depth of burns.  
(2+2+2 = 6 marks)
  
6. Write short notes on:
  - 6A. Hyoid bone fractures.
  - 6B. Traumatic asphyxia.
  - 6C. Causes of death in cut throat injuries.(3×3 = 9 marks)
  
7. Write in detail about the mechanism of action and clinical features at various COHB levels in carbon monoxide poisoning.  
(1+5 = 6 marks)
  
8. Write short notes on:
  - 8A. Two micro chemical tests for blood.
  - 8B. Urine findings in oxalic acid and carbolic acid poisoning.
  - 8C. Treatment of methanol poisoning.(3×3 = 9 marks)



# MANIPAL UNIVERSITY

## SECOND MBBS DEGREE EXAMINATION – NOV/DEC 2008

### SUBJECT: FORENSIC MEDICINE (ESSAY)

Thursday, December 04, 2008

Time available: 10.30 – 13.00 Hours

Maximum Marks: 60

**Answer all questions:**

1. Explain vicarious liability in negligence, giving suitable examples. What is professional secrecy? Add a note on its exception in routine medical practice. (2+2+2 = 6 marks)
  
2. Write short notes on:
  - 2A. Mc Naughten's rule.
  - 2B. Disciplinary action by State Medical Council.
  - 2C. Eruption of teeth.(3×3 = 9 marks)
  
3. Describe the incisions for opening the trunk and scalp during medico legal autopsy. Add a note on exhumation. (3+1+2 = 6 marks)
  
4. Write short notes on:
  - 4A. Differences between rigor mortis and cadaveric spasm.
  - 4B. Genital examination of rape victim.
  - 4C. Artificial insemination.(3+3+3 = 9 marks)
  
5. Define abrasion and contusion. Explain the types of abrasions. Enumerate the differences between contusion and post mortem lividity. (1+1+2+2 = 6 marks)
  
6. Write short notes on:
  - 6A. Steering wheel impact injury and whiplash injury.
  - 6B. Ricochet bullet and tandem bullet.
  - 6C. External and internal examination of neck structure in hanging.((1½+1½)+(1½+1½)+(1½+1½) = 9 marks)
  
7. Discuss the medical and legal duties of a doctor in suspected case of poisoning. What is universal antidote? (2+2+2 = 6 marks)
  
8. Write short notes on:
  - 8A. Post mortem findings in sulfuric acid and carbolic acid poisoning.
  - 8B. Locard's principles of exchange and its medico legal importance.
  - 8C. Mode of action and autopsy findings of carbon monoxide poisoning.((1½+1½)+(1+2)+(1+2) = 9 marks)

