

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND MBBS DEGREE EXAMINATION – DEC'24/JAN'25

SUBJECT: FORENSIC MEDICINE (ESSAY)

(OLD REGULATION - 2018-19 & PRIOR BATCH)

Monday, January 06, 2025

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions.

Essays:

1. Define “Rigor Mortis”. Explain the mechanism of formation of rigor mortis? What are the factors that affect the formation of rigor mortis? Name any one condition that may mimic rigor mortis.
- (1+4+4+1 = 10 marks)

2. A dead body was found in a partly sitting position with a ligature material around the neck and the other end attached to the window grill behind the chair. The knot was present over the back of the neck in the midline below the occipital protuberance. There was no death note found and the family members are claiming that the deceased had been strangled. Cause of death after autopsy was mentioned as asphyxia due to hanging with a ligature material. In view of this, answer the following:
- 2A. Describe the special autopsy technique that would have been done in this case as pertaining to the neck.
- 2B. Explain the findings indicative of an antemortem nature of hanging.
- 2C. Comment on the sitting position in which the body was found.
- 2D. What would be the additional descriptive features that can be inferred about the ligature mark base on the above description?
- (2+4+2+2 = 10 marks)

3. Short essays:

- 3A. Procedure of police inquest, in India, in case of unnatural deaths.
- 3B. Vicarious liability and its medicolegal significance.
- 3C. Cephalic index and its medicolegal significance.
- 3D. Privileged communication and its medicolegal significance.
- 3E. Section 320 of the Indian Penal Code.
- 3F. Difference between True and Feigned Insanity.
- 3G. Adipocere and Mummification.
- 3H. Describe the clinical features of chronic mercury poisoning.
- 3I. Wallace rule of 9 and its medicolegal significance.
- 3J. Vitriolage and its medicolegal significance.
- 3K. Findings seen and evidence collected from a habitual passive agent in sodomy cases.
- 3L. Causes of impotence and its medicolegal significance.
- 3M. Clinical features of saturnism.
- 3N. Lucid interval in head injuries and its medicolegal significance.
- 3O. Gustafson’s technique and its medicolegal significance.

(4 marks × 15 = 60 marks)

