



Rollno.....

End Semester Examination, December 2024
B.Sc.(H) Forensic Science – Vth Semester
FORENSIC MEDICINE (BSFS301A)

Time: 2.5 hrs.

Max Marks: **50**

Note: *All Questions are compulsory. Marks are indicated against each question.*

PART-A

Q.1 Answer the following questions: (Any five out of seven) 2 x 5 = 10

- (a) Define *Rigor Mortis* and explain its significance in estimating time of death. [CO-1] [L2] 2
 - (b) Differentiate between *Hypoxia* and *Anoxia* in the context of asphyxial deaths. [CO-1] [L2] 2
 - (c) What is *postmortem hypostasis*, and why is it significant in forensic analysis? [CO-1] [L2] 2
 - (d) List the types of wounds encountered in forensic pathology and briefly describe one. [CO-1] [L2] 2
 - (e) Explain the term *Mummification* and under what circumstances it might occur. [CO-1] [L2] 2
 - (f) Describe the role of autopsy in determining the cause of death. [CO-1] [L2] 2
 - (g) What are the medico-legal implications of *adipocere formation*? [CO-1] [L2] 2
-

PART-B

Q.2 Discuss the early changes observed after death, including *Rigor Mortis*, *postmortem hypostasis*, and *body cooling*, and their importance in forensic investigations. [CO-2] [L-3] 10

OR

Describe the medico-legal aspects of death and outline the different causes of death that forensic experts analyze. [CO-2] [L-2] 10

Q.3 Explain the various types of asphyxial deaths and the signs typically observed in cases of hanging and strangulation. **[CO-3] [L- 2] 10**

OR

Discuss the stages and mechanisms of asphyxia, providing examples of the types of asphyxial deaths commonly encountered in forensic practice. **[CO-6] [L- 2] 10**

Q.4 Outline the procedures involved in an autopsy, including the collection, preservation, and packaging of viscera for forensic examination. **[CO-4] [L- 4] 10**

OR

Describe how forensic experts assess and determine the time and cause of death based on post-mortem examinations. Include a discussion on examining burnt bones. **[CO- 4] [L-2] 10**

Q.5 Differentiate between injuries caused by blunt force and sharp force trauma. Explain how these injuries are evaluated in terms of their medico-legal significance. **[CO-5] [L-5] 10**

OR

Describe the characteristics and medico-legal aspects of incised, stab, and punctured wounds, including how to differentiate between ante-mortem and post-mortem injuries. **[CO-6] [L-4] 10**