

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

**(A Deemed to be University)**

**MBBS Phase III Part I Examination January 2025**

**Time: 180 Minutes**

**Max Marks: 80 Marks**

**Forensic Medicine**

**QP CODE: C3071**

*Your answer should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

**Long Essay**

**10 × 2 = 20 Marks**

1. Enumerate the various data which help in establishing identity of a person. Define dactylography, its types and medicolegal importance. (4+2+2+2)
2. Describe the types of intracranial haemorrhages. Add a note on subdural haemorrhage. (5+5)

**Short Essay**

**5 × 12 = 60 Marks**

3. Define cross examination. Mention the objectives of cross-examination. (1+4)
4. Describe cadaveric spasm and its medicolegal importance. (3+2)
5. Enumerate the skin incisions and evisceration techniques in medicolegal autopsy. (2.5+2.5)
6. Describe the pathophysiology of asphyxia.
7. Enumerate the findings in the lungs of fresh water and sea water drowning at autopsy. (2.5+2.5)
8. Enumerate the functions of state medical councils.
9. Define impulse. Enumerate the various types of impulses. Add a note on its medico-legal importance. (1+2+2)
10. Define Locard's principle of exchange with suitable examples. (1+4)
11. A 19-year-old female presents to your Emergency department after ingesting poison following a fight with her boyfriend. She was found unconscious near lavatory, she was brought to Emergency department. On examination, her lips were swollen, she had respiratory alkalosis and metabolic acidosis. The treating physician collected the urine for the laboratory investigation, during which the urine turned green on exposure to air. The patient died on 6th day during treatment.
  - A) What substance or the poison did the patient ingest? (1)
  - B) What is the mechanism for the colour change in urine? (2)
  - C) What are the routine viscera will you collect and preserve the same for chemical analysis? (2)
12. Describe the features of chronic phosphorous poisoning.
13. Describe the features of pyrethroid poisoning.
14. Mention signs, symptoms and management of scorpion sting. (1+1+3)