



Date: 21.12.2019

Time: 9.00 am to 12.00 pm (3 hours)

ANSWER ALL THE FIVE QUESTIONS

Answer each **part** in a separate answer book.

### PART A

I. Describe the injury patterns in

- 1.1 Fall from height (50Marks)  
1.2 Front seat passenger of a car collided against an electric post (50Marks)

2 A 55-year-old known asthmatic patient was brought to the emergency department in a state of respiratory distress. Despite of extensive medical management he died.

- 2.1 What is the likely cause of death? (10Marks)  
2.2 Write four (4) possible complications of bronchial asthma. (20Marks)  
2.3 Describe the expected macroscopic findings of the lung at autopsy (30Marks)  
2.4 Describe the expected microscopic findings of the lung in this case (30Marks)  
2.5 Briefly describe the expected findings at autopsy due to resuscitation of this man (10Marks)

### PART B

3 A 20-year-old male was brought to hospital in a state of altered consciousness. No proper history was available. Examination and investigations revealed a scalp contusion, skull fracture and a small extra dural haemorrhage. Glasgow Coma Scale (GCS) was 12 on admission. He was observed and managed conservatively in the neurosurgical unit and discharged on the third day.

- 3.1 Discuss the medico legal classification of injuries/ category of hurt in this case (40Marks)  
3.2 Discuss the ethical considerations in medico legal examination of a 14-year-old child. (60Marks)

4

4.1. Describe the postmortem changes that can be seen in a surreptitiously disposed body recovered more than one month after death. (45 Marks)

4.2. Outline the medico-legal significance of the postmortem changes described above. (55 Marks)

5

5.1. Discuss the applications of DNA technology for forensic purposes. (50 Marks)

5\_2. Briefly discuss the forensic significance of the eye. (50 Marks)

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