



THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HUMANITIES AND SOCIAL SCIENCES
DEPARTMENT OF LEGAL STUDIES
LL.M IN CRIMINAL JUSTICE ADMINISTRATION
FIRST YEAR - FINAL EXAMINATION – 2013/2014
LWP2107 – CRIMINAL INVESTIGATION II (BALLISTICS AND EXPLOSIVES)
DURATION: 03 HOURS

DATE: 08th June 2014

TIME: 9.30 a.m. – 12.30 p.m.

Total No. of Questions : 06

Answer four (04) questions only.

Candidates will be penalized for illegible handwriting.

PART A - Ballistics

01. Write short notes on **any five** of the following.
- | | |
|------------------------|--------------------------|
| a) Internal Ballistics | b) Transition Ballistics |
| c) External Ballistics | d) Terminal Ballistics |
| e) Breech Loading guns | f) Muzzle Loading guns. |
02. What do you mean by “Calibre” of a rifled bore firearm?
If you were able to recover only three fired bullets at the scene in an investigation into a crime, what are the scientific investigative leads which are helpful to continue further?
03. Revolvers are not automatic firearms.
Discuss.
What do you mean by “Double Action” mechanism of revolver? Explain.

PART B – Explosives

04. Explain the following with examples.
- a) Mechanical Explosion b) Chemical Explosion
 - c) Atomic Explosion.
05. What do you mean by “Vacuum Effect” of high explosives? Explain.
There may be dead bodies with no apparent external injuries in scenes of high explosive bomb explosions of high magnitude.
Discuss.
06. During the period of terrorism in Sri Lanka, Explosive Devices became increasingly popular among the terrorists.
Give the reasons.

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