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(49)
(Pages : 2)

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Reg. No.....

Name.....

SECOND M.B.B.S. DEGREE EXAMINATION, NOVEMBER 2005

FORENSIC MEDICINE AND TOXICOLOGY

Time : One Hour and 30 minutes

Maximum : 32 Marks

Answer Sections A-II and B in separate answer-books.
Draw diagrams wherever necessary.

Section A-II

III. Draw and label the following :

- 1 Pattern of injury produced by a rifled firearm at a distance of 06".
- 2 Histopathology of Respired lung.



(2 × 1 = 2 marks)

IV. Write short answers on :

- 1 IPC 320.
- 2 Mechanism behind production of coupe and contrecoup injuries.
- 3 Test for air embolism.
- 4 Hyaline membrane disease.

(4 × 1 = 4)

V. Write short notes on :

- 1 Presumption of survivorship.
- 2 Procedure of giving stomach wash in an unconscious person.
- 3 Brain death.

VI. Read the following paragraph carefully and answer the questions :—

A Female by name Sreedevi 25 years was admitted in the surgical casualty of MCH, Kottayam with history of stab by an unidentified person at about 23.00 hrs. at her house. The doctor observed the following :

Incised penetrating wound 3.5 × 1.5 cm. on the front of left breast 3 cm. inner to nipple and 10 cms. below sternal notch. Both ends of the wound were sharply cut. Her BP was 40/30 mm. of Hg. While making resuscitative measures she succumbed to her injury. Postmortem examination revealed perforating injury involving pericardium (3 × 1.4 cm.), right ventricle (2.75 × 1.2 cm.), left ventricle (2 × 1 cm.) lower lobe of left lung. (1.75 × 0.9 cm.). The wound was directed downwards, backwards and to the left for a total minimum depth of 7.5 cms. The left and right chest cavities contained 750 ml. of fluid blood with 850 gms. of blood clot. All organs were pale.

Turn over

- 1 What could be the cause of death ?
- 2 How will you correlate the injury with the suspect weapon to say that a weapon like this could have caused this injury ?
- 3 What do you mean by culpable homicide not amounting to murder ?
- 4 In which criminal court a case like this will be tried ?
- 5 What do you mean by commotio-cordis ?
- 6 Whether injury to left ventricle is severe or to right ventricle ? Substantiate your answer with reasons.

(3 + 2 + 1 + 1 + 1 + 2 = 10 marks)

VII. Write short notes on :

- 1 Poroscopy.
- 2 IPC sec : 84.
- 3 Still born child.
- 4 CrPC 53.

(4 × 1 = 4 marks)

VIII. Write short notes :

- 1 Difference between legal and Medical definition of hurt.
- 2 Mechanism of action of zinc phosphide.
- 3 Characteristic features of suicidal cut injuries with examples of site of election.

(3 × 2 = 6 marks)