

F 8231

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Reg. No.....

Name.....



**SECOND PROFESSIONAL M.B.B.S. DEGREE EXAMINATION
SEPTEMBER 2010**

FORENSIC MEDICINE AND TOXICOLOGY

Time : Two Hours

Maximum : 40 Marks

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

Section A

Write short notes on :

1. Dr. Anil is summoned by the local Judicial First Class Magistrate and Session Judge to give evidence on the same day. What is the correct procedure to be adopted by him ?
2. Dr. Jack was relieved while Dr. John entered on duty at 8.00 p.m. when 2 emergency cases were brought in Dr. Jack refused to attend any of them. Discuss the ethetical aspects of his action.
3. One Mr. Manoj Sunder was one among the victims of an aircraft crash in which all bodies were charred beyond recognition. Enlist the methods by which identity could be attempted or established.
4. Postmortem report of a 12 year old child stated that her lungs showed "Emphysema Aquosum" picture. Discuss in detail the lung picture and the inference made by the doctor.
5. A 25 year old woman married for 3 years was reported to be found dead in her room by her in-laws. There was an oblique pressure mark covering 3/4 th circumference of neck and no additional injuries. Discuss the probable manner of death and the sections of law applicable.

(5 × 2 = 10 marks)

Write short answers on :

6. Biju is examined by a doctor for determination of his age, on order of a court. How is the identity of the subject ensured and established ?
7. Mr. Rinu was brought to the casuality of a Taluk Hospital for "Drunken Driving". What is the section of law descending the offence and punishment ? What is the course of action by the doctor if he refuse an examination ?
8. Mr. Alex was hit on his head by Mr. Raju by an axe and lost his eyesight on one side. Identify the offence giving reasons.
9. A wound certificate of an accident victim stated one injury was a "Bumper fracture". What is it ? What is the inference ?
10. A person confessed to police of murder and secret burial of the body. How can autopsy be done in such case ?
11. A non-alcoholic was given alcohol forcefully by his friend, who after becoming intoxicated hurt the friend who offered the drink grievously, with a stone. Discuss the criminal responsibility.
12. Anu, married for 6 months, admitted with 70% burns stated to the doctor that her in-laws had set fire and then died. What are the medico-legal duties of the doctor ?

Turn over

13. Dr. Biju collected a bullet from inside the body of a subject during surgery. What should he do? Can it be identified as to have come from a particular gun? How?
14. A rape victim requested the doctor not to inform the matter to police. Discuss.
15. A chronic alcoholic under arrest exhibited delirium, delusions, hallucinations and convulsions. What is the condition and its medicological importance.

(10 × 1 = 10 marks)

Section B

Write short notes on :

16. Describe the routine scheme of organ/fluid collection and forwarding for 'Chemical Analysis'.
17. Describe examination of a dead body for arriving at conclusion of time since death routinely carried out.
18. Describe the medico-legal uses of DNA profiling.
19. Describe a bullet entry wound at close range.
20. Diagnosis of chronic lead poisoning (Discuss).

(5 × 2 = 10 marks)

Write short answers on :

21. Mr. Rahim underwent a lengthy laparotomy for a tumour and was apparently well. Four months later a second surgery disclosed a 'Surgical mop' from the abdomen. Discuss.
22. Ms. Rina was unconscious due to huge bloodloss following an accident. When admitted, her doctor did not wait for her relatives and amputated the badly crushed foot. Rina recovered. Discuss.
23. A young mother reported that her baby was healthy till he was put to sleep, but was found dead in cradle next morning. Autopsy was negative. Discuss the condition.
24. Mr. Joe, 52 years admitted with chest pain died in casualty without a diagnosis. Relatives demanded release of body without autopsy. What is the correct procedure to be adopted?
25. Mr. Vinu admitted in ICU-ventillator was later declared 'Brain Dead'. What is the condition? What are the ethical obligations of the doctor with regard to 'Organ Transplantation'.
26. Dr. Jacob stated an injury to be a 'stab by a double edged knife'. Describe the injury.
27. Dr. Jamila was examining a case of rape and collecting materials for further examination. What all should she collect?
28. Rose is a transgender. What is the condition?
29. Tina, a nurse was found unconscious. Analysis revealed 'Phenobarbitone'. How can the case be managed?
30. Mr. Rex, a chronic drug abuser was admitted unconscious. Doctors suspected and later confirmed "Opiate overdose". Discuss how?

(10 × 1 = 10 marks)