

MANIPAL ACADEMY OF HIGHER EDUCATION
(Deemed University)
SECOND MBBS DEGREE EXAMINATION (NEW REGULATION)

FORENSIC MEDICINE
Wednesday, 08 November 2000

Time available : 3 Hours

Maximum Marks : 40

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- * WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS
* ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE.
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- 1A. Define infamous conduct. Describe how the state medical council takes disciplinary action. (2 marks)
- 1B. Describe four circumstances where a doctor is immune from punishment for revealing the professional secrets. (2 marks)
- 2A. Describe the procedure for 'Reception order on petition' in insanity. (2 marks)
- 2B. Differentiate between Coroner's court and Magistrate's court. (2 marks)
- 3A. Describe the concept of Brain-stem death. What is the importance of determining the brain-stem death. (2 marks)
- 3B. Describe adipocere and mummification with their medicolegal importance. (2 marks)
- 4A. Describe the pathophysiology of fresh water and salt water drowning. (2 marks)
- 4B. Describe the postmortem appearance of a case of death due to traumatic asphyxia. (2 marks)
- 5A. Describe 'extradural haemorrhage' and mention its medicolegal significance. (2 marks)
- 5B. Write a neat labeled diagram of an entry wound caused by a revolver fired from a distance of 5 cms. Add a note on Ricochet bullet. (2 marks)
- 6A. What are defence wounds and fabricated wounds ? (2 marks)
- 6B. Enumerate the types of lacerations. How are they caused ? (2 marks)
- 7A. Explain how hydrostatic test is done. (2 marks)
- 7B. What is criminal abortion ? What are its complications ? (2 marks)
- 8A. Describe any **four** factors that modify the action of poisons. (2 marks)
- 8B. Name **four** household poisons and any **four** antidotes. What are the measures available to eliminate an absorbed poison ? (2 marks)
- 9A. Name **four** irritants of plant origin with their active principles. Add a note on toxalbumin. (2 marks)
- 9B. Classify neurotoxic poisons. Briefly describe the signs, symptoms and treatment of strychnine poisoning. (2 marks)
- 10A. Describe the treatment and postmortem appearance of cyanide poisoning. (2 marks)
- 10B. Describe the signs, symptoms and treatment of aconite poisoning. What are the advantages of aconite as an homicidal poison. (2 marks)

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FORENSIC MEDICINE

Tuesday, 07 November 2000

Time available : 3 Hours

Maximum Marks : 80

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- * WRITE BRIEF, CLEAR, RELEVANT AND LEGIBLE ANSWERS
* ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS AND FLOW CHARTS WHEREVER APPROPRIATE.
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1. What is summons ? Name various stages of recording evidence of the witness in a court of law. Describe briefly about cross examination. (2+3+3=8 marks)
2. Write briefly on :
2A. Res ipsa loquitur (4 marks)
- 2B. What is hallucination and name any four types of hallucinations. (2+2=4 marks)
- 2C. What is euthanasia (mercy killing) ? Name four different types of euthanasia. What do you mean by professional death sentence ? (1+2+1=4 marks)
3. What is hanging ? Give the features of ligature mark in hanging. Mention any four types of causes of death due to hanging. Briefly describe about the hyoid bone fracture in hanging. (2+2+2+2=8 marks)
4. Write short notes on :
4A. Name two modified forms of decomposition. Write briefly about primary flaccidity (relaxation) and secondary flaccidity (relaxation) of the muscle. (1+3=4 marks)
- 4B. Name any four important organs preserved for viscera analysis and normal preservatives used for viscera preservation. (2+2=4 marks)
- 4C. Describe briefly about any four changes in the eye after death. (4 marks)
5. Name any four types of skull fractures. Describe briefly about depressed fracture. Briefly write about any four points of grievous hurt. (2+2+4=8 marks)
6. Write short notes on :
6A. Name four positive findings of pregnancy. Explain any four methods to induce criminal abortion. (2+2=4 marks)
- 6B. What is Spalding's sign ? Write briefly about maceration of the foetus. (1+3=4 marks)
- 6C. Mention four sources of bleeding in extradural haemorrhage and what is lucid interval in terms of injuries. (2+2=4 marks)
7. Write briefly about mechanism of action, line of treatment and postmortem findings of organo-phosphorus compound poisoning. (2+3+3=8 marks)
8. Write brief answers :
8A. Write briefly about any four important findings of chronic lead poisoning. (4 marks)
- 8B. Medico legal importance of seven years, twelve years, fourteen years and sixteen years. (1+1+1+1=4 marks)
- 8C. What is corpus delicti ? Write briefly on Turner's syndrome. (2+2=4 marks)