

School of Basic Medical Sciences, Fudan University

The final examination paper of the second term in 2015~2016

**Paper B**

**Course:** Forensic Legal Medicine

**Code of the course:** Med 130239 **Department:** Forensic Medicine

**Test type:** book-closed **Time:**8:00-9:30, **Date:** May-31-2016 **Speciality** MBBS

**Name:** \_\_\_\_\_ **Number:** \_\_\_\_\_

Type	Term	One Choice Q	Q & A	Total score
Score				

1. Term (3 points per question, total 30points)

- (1) Algor mortis
- (2) Natural death
- (3) Methaemoglobin
- (4) Railway-line bruise
- (5) DNA polymorphism
- (6) Hypertrophic cardiomyopathy
- (7) Manual strangulation
- (8) Hypothermia
- (9) Streaming of nuclei
- (10) Drowning

2. One choice questions (2 points per question, total 20points)

- 1) The intensity of the poisoning effects doesn't depend on: ( )
  - A. Dose
  - B. Route of administration
  - C. Drug interactions
  - D. Individual height
- 2) Which is not included in the PCR?
  - A. Denaturation
  - B. Annealing
  - C. Renaturation
  - D. Elongation
- 3) Which is not the character of multiplex STR typing system?
  - A. to detect many STR loci at once
  - B. to use length polymorphism to discriminate STR loci
  - C. to use sequence polymorphism to discriminate STR loci
  - D. to use colors to discriminate STR loci

- 4)What is not the pathological changes of Asthma? ( )
- A. the volume of lung increase
  - B. the bronchi tube is filled with mucus
  - C. the wall of the tube has eosinophils infiltrated
  - D. a large amount of neutrophilic granulocyte effusion in alveolar space
- 5)What is the feature of sudden manhood death syndrome ( )
- A. the victims develop well and their nutrition is good.
  - B. the female victim are more than male.
  - C. commonly occurs in adults whose age range is more than 50.
  - D. It's possible to find fatal pathological changes and other causes of death.
- 6)The common characteristic of blunt instrument injury include ( )
- A. Accompanied by abrasion and contusion.
  - B. the margin of wound is neat.
  - C. no tissue bridge in wound cavity.
  - D. the deep tissues/organs usually are not damaged.
- 7)Select the wrong opinion about mechanical asphyxia ( )
- A. It is necessary for hanging to be produce from a high point of suspension with the feet off the ground.
  - B. Suicidal death by throttling is almost impossible.
  - C. Impaction of the airway by stomach content is frequently seen in drunken persons.
  - D. Diatom testing is the best tool to diagnose drowning when the body is severe decomposed.
- 8)Contre-coup brain contusion usually was caused by ( )
- A. decelerating action
  - B. accelerating action
  - C. whiplash action
  - D. accelerating and decelerating action
- 9)Which of the following is not early postmortem changes? ( )
- A. Livor mortis
  - B. Putrefaction
  - C. Transformation
  - D. Algor mortis
- 10)What's the most important difference between bullet entrance wound and exit wound?
- A. Abrasion ring
  - B. Powder grains
  - C. Muzzles imprint
  - D. Grease collar

3. Q & A (Please select 5 questions from the following questions, 10 points for each question, total 50 points)

- 1) How to understand “*The right dose differentiates a poison from a remedy.*”?
- 2) What is mechanical injury? Describe basic types of mechanical injury according to morphological features.
- 3) How to distinguish contusion and livor mortis?
- 4) What is the characteristics of forensic biological materials? How to collect and store biological evidence at a crime scene?
- 5) What are the main features of Sudden Unexpected Natural Death?
- 6) Describe the possible mechanisms of death from burning.