



Tanta University

Faculty of Medicine

Forensic Medicine & Clinical Toxicology Department

M.S.c Examination in M.S.C. Forensic Medicine & Clinical Toxicology 1<sup>st</sup> part

(تزييف وتزوير + Forensic Chemistry)

2/4/2016

Time allowed: 3 hrs.

I - Forensic chemistry:

Account on each of the following

- 1- Main principals of mass spectrometry and its forensic application.
- 2- UV/visible as an important tool in forensic chemistry
- 3- Factors affecting the choice of an efficient extraction procedure for poisons
- 4- Main principals of thin layer chromatography (TLC) and HPLC in forensic chemistry.
- 5- Classification of poisons from analytical point of view.

II - التزييف و التزوير

أولا ناقش ما يلي:

- ١ - تعريف التزوير مع الاشارة الى أنواع التزوير.
- ٢ - الكتابة اليدوية هي في الاصل كتابه مخيه.
- ٣ - أنواع التوقيعات.

ثانيا: ضع علامة صح على الاجابة الصحيحة و علامة خطأ على الاجابة الخاطئة مع ابداء المبرر في

الحالتين:

- ١ - وجود شوائب بالجرات الخطية للتوقيع يؤكد تزويره.
  - ٢ - المميزات الفردية الدقيقة لكل من توقيعات الفحص و المضاهاة هي الأساس الذي تقوم عليه عملية المضاهاة الفنية.
- ثالثا أذكر كيفية التعرف على العمله الورقيه المزورة.

Good luck

**Tanta University**  
**Faculty of Medicine**  
**Anesthesia and Surgical Intensive Care Department**  
**Master Degree of Forensic Medicine and Toxicology (1<sup>st</sup> part)**

**Number of questions: 5**

**Time allowed: 3hours.**

**Total mark: 30**

**April, 6, 2016**

**All the following questions should be answered:**

- 1- Mention the clinical presentations of patients who require invasive mechanical ventilation. (6 marks)
- 2- Discuss briefly, the initial ventilatory setting for a patient presented with hypoxia and pulmonary edema due to organophosphorus poisoning. (6 marks)
- 3- Prescribe the most appropriate sedation scheme for a patient on invasive mechanical ventilation. (6 marks)
- 4- Enumerate complications of endotracheal complications and delineate your strategy for management of emergency difficult airway. (6 marks)
- 5- Discuss briefly complications of central venous catheterization. (6 marks)

TANTA UNIVERSITY----- Internal Medicine Exam  
FACULTY OF MEDICINE ----- Master degree of Toxicology  
INTERNAL MEDICINE DEPARTMENT-----NO. OF QUESTIONS: 2  
4/4/, 2016 ----- Time: 3



**All Questions must be answered :**

- 1-Discuss drug nephrotoxicity.
- 2- Causes and treatment of respiratory failure.
- 3-Aplastic anemia.

Good Luck  
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Examination for Master in: Forensic Medicine and  
Clinical Toxicology (1<sup>st</sup> part)  
Course Title: Clinical Toxicology in Children  
Date: April 5, 2016  
Time allowed: 3 Hours  
Total Assessment Marks: 45



Tanta University  
Faculty of Medicine  
Department of Pediatrics

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All questions should be tried:

9 X 5

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- Q 1) Give brief account on clinical manifestations of Heart Failure in children, and Digoxin treatment ( with dose schedule ).
- Q 2) Discuss briefly clinical picture, ECG diagnosis, and treatment of Atrial Fibrillation in a child aged 9 years.
- Q 3) Mention types and causes of Shock. Mention the inotropic drugs used in treatment ( with doses ).
- Q 4) Give brief account on Basic Life Support, and drugs used in Cardiopulmonary Resuscitation ( with doses ).
- Q 5) Give brief account on elimination enhancement of Poisons. Mention common antidotes of some specific poisons in children.
- Q 6) Discuss types, etiology, and diagnosis of Respiratory Failure in children.
- Q 7) Discuss in brief the Glasgow Coma Scale, and lines of treatment of Coma in children.
- Q 8) Discuss briefly causes, manifestations, and treatment of Metabolic Acidosis in children.
- Q 9) Give a short account on causes, clinical manifestations, and treatment of Hyponatremia and Hypernatremia.

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Good Luck

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Tanta University  
Faculty of Medicine  
Human Anatomy & Embryology Dep.  
Time Allowed: 3 Hours  
3/4/2016

Master of science in Forensic Medicine  
& Clinical Toxicology  
Anatomy Exam.  
Number of Questions: 5  
Total: 30 Marks



## FORENSIC MEDICINE & CLINICAL TOXICOLOGY

### All questions to be answered

#### Illustrate your answer with diagram whenever possible:

1. **Mention** the branches of basilar artery. **Outline** the effects of its obstruction on the functional areas supplied by it. (6 marks)
2. **A. Enumerate** the boundaries and contents of superior mediastinum. (3 marks)  
**B. Mention** the course and constrictions of oesophagus. (3 marks)
3. **Enumerate** the structures at the root of the neck. (6 marks)
4. **A. Enumerate** the structures at the level of transpyloric plane. (3 marks)  
**B. Enumerate** the tributaries of portal vein and the major sites of porto-systemic anastomosis. (3 marks)
5. **A. Mention** the muscles supplied by the gluteal nerves and **outline** the effects of their injury. (3 marks)  
**B. Enumerate** the boundaries and contents of the cubital fossa. **Outline** the effects of injury of nerve contents (3 marks)

**END OF THE EXAM**

### Oral and Practical Examination:

On Sunday 10/ 4/ 2016 at 9.5 o'clock in the Anatomy Department  
(Second floor)

**WITH MY BEST WISHES**

Chairman of Department: Prof. Dr. Mona Zoair