

Tanta UniversityFaculty of MedicineForensic Medicine & Clinical Toxicology DepartmentM.S.c Examination in M.S.C. Forensic Medicine & Clinical Toxicology 1st part(Clinical Toxicology Exam)18/10/2014Time allowed: 3 hrs.

All questions are to be answered:

I- Case analysis (20 marks)

A four year old girl was found comatosed at home she was found dressed in her mother's clothes in a closed cabinet with her in the closet there were several cans of clear fluids and organophosphrous insecticide with some unknown tablets . In the emergency department she was comatosed with blood pressure 80/50 her pulse was regular 108/min pinpoint pupil with dry skin and clear lungs no bowel sound was audible.

- 1- Give your diagnosis and differential diagnosis
- 2- How to manage such case.

II- Discuss : (10 marks)

- Mechanism and therapeutic principles in anaphylaxis.

III- Analyze the following: (30 marks)

- 1- Common household products and discuss one of them.
- 2- Metabolic alkalosis in toxicological cases.
- 3- Autopsy in carbon monoxide poisoning.

IV- Role of charcoal in poisoning (15)

V- Consideration in selecting an approach to gastric emptying. (15)

VI- Antidotes in organophosphrous insecticide poisoning. (10)



Tanta University Faculty of Medicine Forensic Medicine & Clinical Toxicology Department M.S.c Examination in M.S.C. Forensic Medicine & Clinical Toxicology 1st part (تزييف و تزوير – كيمياء طبية شرعية) 11/10/2014 Time allowed: 3 hrs.

> أولا ناقش ما يلى: 1- الشروط الواجب توافرها بأوراق المضاهاة. 2- اسس اجراء عملية المضاهاة الفنية. 3- هل الكتابة هى فى الأصل كتابة يدوية. 4- بعض الأمراض كعامل موثر على مميزات الكتابة.

ثانيا: ضع علامة صح على الاجابة الصحيحة و علامة خطأ على الاجابة الخاطئة مع ابداء المبرر في الحالتين: الحالتين: 1- وجود شوائب بالجرات الخطية للتوقيع يوكد تزويره. 2- المميزات الخطية العامة هو الأساس الذي تقوم عليه عملية المضاهاة الفنية. 3- الاستكتاب وحده لا يكفى كعينة للمضاهاة. 3- الاستكتاب وحده لا يكفى كعينة للمضاهاة. 3- الاستكتاب وحده لا يكفى كعينة المضاهاة.

Good luck

1-958- JI 17913

University of Tanta Faculty of Pharmacy

Dept. of Analytical Chem. Graduate Medical Students

30) may ks

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(Forensic Chemistry Examination) October, 11, 2014

Q. No. 1:

LC-MS represent the most advanced technique to be applied in the field of forensic chemistry. Discuss briefly the theoretical principles of each of liquid chromatography, mass spectroscopy and their combination as LC-MS.

Q. No. 2: Write Short account on each of the following

[20] malks.

- 1- Laboratory treatment of each of the following specimens :
 - a- Blood specimens
 - b- Urine specimens
 - e- Hair specimens
- 2-Different factors affecting the choice of suitable analytical method for isolation and identification of poisons.

3-Principals and application of UV/ Visible spectroscopy in forensic chemistry.

4- Application of IR spectroscopy in the field of poison identification.

GOOD LUCK

المتحام البالولومي ماسي مزد أول c-18/11/W Examination for Master Degree in: Forensic medicine . Course Title ; TMED 3-A21 Path. Date:13 -10 -2014. Term: Tanta University Time Allowed: Faculty of Medicine **Total Assessment Marks:** Department of: Questions Number Marks Discuss: Q1 -Causes of renal failure ,and its complications with special reference to indications for kidney transplantation, when a decision is made ? And what are the complications of kidney transplants ?. Q2 Give an account on : -Histochemical and histological changes develops in wounds that help in dating of wounds -Dating of subdural haematoma. Q3 Give short notes on : -Radiation injury on cells , with special interest on hazards of laser in treatment . -Causes of sudden unexpected death . -Methodes by which graft antigens reach the host ,. Q4 Discuss : - Fate and complications of acute suppurative inflammation .

GOOD LUCK.

-Type 1 hyper sensitivity reaction .