

مباراة وامتحان لملء بعض الوظائف الشاغرة في
ملاك المؤسسة العامة لإدارة مستشفى تنويرين الحكومي.

لوظيفة فني أشعة

مسابقة في التقنيات الحديثة في التصوير الطبي

الوقت: ساعتان

- 1- Name the indications and the counter-indications of the lithotripsy.
- 2- Name 5 causes supporting the formation of calculations of the urinary tree.
- 3- Describe the principle of PET scan and quote the product more used.
- 4- What are the indications of PET SCAN and the types of crystal used in PET scan?
- 5- Which are the characteristics of a spectrum of good quality of Doppler of umbilical artery?
- 6- Hypertrophy stenosis of pylore:
 - Definition
 - Etiology
 - Ultrasonographic signs
- 7- MRI, Diffusion Imagery:
 - a- Principle
 - b- Indication
- 8- Describe the protocol of an helicoids abdominal scan
- 9- Spiral scanner: Advantages

بيروت، في ٢٠١٢/٨/١٣

اللجنة الفاحصة

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مسابقة في البيولوجيا والوقاية الإشعاعية

الوقت: ساعتان

1. *An interaction by Compton effect or photoelectric effect leads to an ionized atom. Describe the possible phenomenon that can follow this ionization on this atom's level.*
2. *What are the three main nuclear disintegration processes? Describe briefly, explaining the effect of each on the nucleus.*
3. *How does a charged particle interact with the atoms of the environment it is penetrating? What are the effects on the particle and its trajectory?*
4. *Define "deterministic effects" and "stochastic effects". What are the differences between them?*
5. *What are the practical means of reducing the absorbed dose of a person exposed to a given radiation source?*
6. *Define radioactivity, half-life and activity. What are the different types of radioactivity? What are the activity's unit?*
7. *What's the main purpose of fractionation in radiotherapy?*

بيروت، في ٢٠١٢/٨/١٣

اللجنة الفاحصة

مباراة وامتحان لملء بعض الوظائف الشاغرة في
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لوظيفة فني أشعة

مسابقة في تقنيات التصوير في الحالات الطارئة

الوقت: ساعتان

- 1- How do you execute the views of the KUB in emergency case?
- 2- Describe your management in front of the following cases and precise the emergency exams to be requested for each case :
 - A child who swallow a foreign body
 - A patient having injuries by shot gun.
- 3- List the different stages of a cardiac massage.
- 4- Describe the necessary views in case of fracture or luxation of shoulder.
- 5- Precise the emergency digestive exams and how should be executed?
- 6- You receive a polytraumatic in your radiology service with suspicion of C₆-C₇ fracture:
 - a- How you move your patient to the exam's table
 - b- What are the necessary views to execute in like situation?
- 7- Identify the reaction kinds of Iodine products.
- 8- What is the role of a technician in case of anaphylactic choc?

بيروت، في ٢٠١٢/٨/١٣

اللجنة الفاحصة