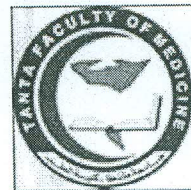


Tanta University
Faculty of Medicine
Diagnostic Radiology Department
13/10/2012

Written Examination
Number of Questions: 3
Time Allowed: 3 Hours
Total: 120 Marks



1st Paper
MSc Diagnostic Radiology, 2nd part

All questions are to be attempted

جميع الأسئلة إجبارية

- 1- Imaging of Intradural spinal lesions.
- 2- Imaging of chest trauma.
- 3A- Give the radiological anatomy of the esophagus.
B- Diagnostic Imaging for a patient presenting with dysphagia.

Good Luck,

Tanta University

Faculty of Medicine

Diagnostic Radiology Department

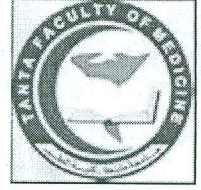
15/10/2012

Written Examination

Number of Questions: 3

Time Allowed: 3 Hours

Total: 80 Marks



Diploma & MSc Diagnostic Radiology, 1st part
Radiological Anatomy & Technology
All questions are to be attempted

جميع الأسئلة إجبارية

1 (A) - Imaging anatomy of the paranasal sinuses (Conventional plain radiography & CT).

(B) - Conventional Imaging positions for the paranasal sinuses.

2 (A) - Imaging anatomy of the knee joint (Conventional plain radiography & MRI).

(B) - Imaging techniques in the diagnosis of painful knee joint.

3- Give the radiological anatomy & imaging techniques of the parotid & submandibular salivary glands.

امتحان الـ Spots والشفوى لمادة التكنولوجيا والتشريح الراديولوجى يومى الثلاثاء و الأربعاء ١٦ -

٢٠١٢/١٠/١٧

امتحان شفوى الفيزياء الاشعاعية يوم الأحد ٢٠١٢/١٠/٢١ الساعة ٩ ص بقسم الأشعة

امتحان شفوى النظائر المشعة وبيولوجيا الاشعاع يوم الجمعة ٢٠١٢/١١/٢ الساعة ٩ ص بقسم الأشعة باذن

الله تعالى

Good Luck,

Tanta University

Faculty of Medicine

Diagnostic Radiology Department

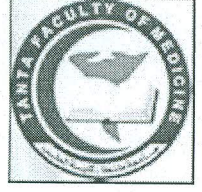
17/10/2012

Written Examination

Number of Questions: 3

Time Allowed: 3 Hours

Total: 120 Marks



2nd Paper
MSc Diagnostic Radiology, 2nd part

All questions are to be attempted

جميع الأسئلة إجبارية

1- Give the imaging anatomy of the venous system of the lower limb & discuss the role of imaging in the diagnosis of distal leg ulceration.

2- Discuss imaging of the lower genitourinary tract lesions associated with haematuria.

3- Give an account on:

Cystic lesions in anterolateral aspect of the neck.

Imaging of benign bone neoplasm.

Imaging of painful scrotum.

Good Luck,

امتحان الـ Spots والشفوى

يومى الخميس و الجمعة ٨-٩/١١/٢٠١٢

باذن الله تعالى

Tanta University

Faculty of Medicine

Diagnostic Radiology Department

24/10/2012

Written Examination

Number of Questions: 4

Time Allowed: 3 Hours

Total: 80 Marks



**Diploma & MSc Diagnostic Radiology, 1st part
Radio-Isotopes & Radiobiology**

All questions are to be attempted

جميع الأسئلة إجبارية

1-Differentiation between physical principles of gamma camera and PET-CT(positron emission tomography-CT) and mention the radioisotopes used in imaging of patients with PET-CT, and the half life of the most commonly used one.

2-Evaluation of patients with renal hypertension by radioisotopes.

3-Utilization of radioisotopes in evaluation of patients with hepatic transplantation.

4-Give an account on the effect of exposure of thoracic region to 15 Gray of ionizing radiation in pregnant female and mention the most possible cause of death.

GOOD LUCK.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Tanta University
Faculty of Medicine
Msc.: Diagnostic Radiology, 1st Part
October 2012

Radiation Physics
Time: 3H
Examiner: Dr. Galal Zedan Farag
Faculty of Science /Physics Department

Answer the following Questions:

1- Explain:

- (a) The SONOGRAPHY technology.
- (b) The different between MRI, and CT scanners.

2- Discuss:

- (a) The CT disadvantages.
- (b) Radioactive decay, Dose equivalent, Effective dose, and Quality factor.

3- Compare between the SONOGRAPHY and PET/CT Technology for Diagnostics methods.

4- Discuss the methods of radiation dose reduction and protection.

والله ولي التوفيق