

Tanta University
Faculty of Medicine
Clinical Oncology Department

1/6/2021 Time allowed: 3 Hours

MD Exam

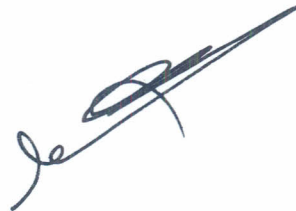
Clinical Oncology & Nuclear Medicine

RADIATION THERAPY

All Questions should be answered:

Marks

- 1- Discuss challenges in combining immunotherapy with radiotherapy in locally advanced/recurrent head and neck squamous cell carcinoma? 60
- 2- IMRT versus 3 D conformal radiotherapy in cancer pancreas? 60
- 3- What are the differences between cyber-knife and gamma knife? 60
- 4- Advances in radiation therapy technology in treating prostate carcinoma are making it possible to give radiation more precisely than in the past with increase the effectiveness of radiation therapy while reducing the side effects.
What are these current methods of radiation therapy with comparison between each other? 60



5- Explain in detail the role of radionuclides in cancer management with enumeration of examples to the different types of cancers treated with them as well as illustration of optimal radionuclides for cancer therapy? 60

6- Short-course radiation treatment (usually as 25 Gy delivered in five daily fractions over 5 days) in rectal carcinoma has been the subject of multiple randomised controlled trials (RCTs), either compared with long-course chemoradiation, or with surgery alone (with or without adjuvant chemotherapy).

Compare between Short-course radiation treatment and long-course chemoradiation, or with surgery alone as evidenced in RCTs in rectal carcinoma? 60

GOOD LUCK



Umesh

