

B.Sc. RADIOTHERAPY TECHNOLOGY
(New Syllabus 2014-2015)
THIRD YEAR
PAPER II – PATIENT CARE RELEVANT TO RADIOTHERAPY

Q.P. Code: 801937

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. How would you prepare for simulation procedure that is scheduled for a 3 year old child under anaesthesia? Elaborate on the prerequisites and the precautions to be taken.
2. What are the acute and delayed reactions you will monitor in patients undergoing radiation to brain?
3. A patient with carcinoma nasopharynx is getting radiotherapy on a telecobalt machine. The cobalt source gets stuck and is not getting retracted inside the safety vault. What are the next sequences of steps that you would take?

II. Write notes on: **(8 x 5 = 40)**

1. Colostomy care.
2. What is the importance of checking the blood count in a patient under radiation and chemotherapy?
3. Cardiopulmonary resuscitation.
4. Care of a patient on Tracheostomy.
5. How will you manage if a patient develops vaginal bleeding while getting radiotherapy for carcinoma cervix on the treatment couch?
6. Steps involved in preparing a patient with carcinoma cervix for brachytherapy.
7. Radiation delivery during pregnancy.
8. Diet advice for a head and neck cancer patient with Ryle's tube while on EBRT.

III. Short answers on: **(10 x 3 = 30)**

1. Cisplatin – side effects.
2. Skin care for patients receiving RT to the chest wall.
3. RTOG toxicity criteria for skin reactions while on radiotherapy.
4. Care of patient who develops seizures while waiting for radiotherapy delivery.
5. Management of emesis during chemo RT.
6. Instruments necessary for oral cavity examination.
7. Indirect Laryngoscopy.
8. How will you manage a patient who develops sudden onset hypotension?
9. Care of Vacloc during treatment.
10. Thermoplastic Ray cast.
