

[LD 0212]

AUGUST 2013

Sub.Code :1914

B.Sc. RADIOTHERAPY TECHNOLOGY

SECOND YEAR

PAPER IV – PATIENT CARE RELEVANT TO RADIOTHERAPY

Q.P. Code: 801914

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

3 x 10 = 30

1. Elaborate on appointment organization in the RT treatment area and management of waiting patients.
2. A 52 year old gentleman with cancer of the anterior two – third of tongue, who underwent surgery and came for post operative radiotherapy. Describe in detail the steps in radiotherapy planning. What are the advices you want to give to the patient?
3. Briefly discuss about sterilization and the methods of sterilization.

II. Write notes on

8 x 5 = 40

1. How will you prepare a patient with carcinoma cervix for pelvic radiotherapy?
2. What are the precautions to be taken before loading source for LDR Brachytherapy?
3. Screening for cancer.
4. What are the precautions to be taken when treating patients with Metastatic spinal cord compression?
5. Grading of radiation mucositis.
6. Role of a medical social worker in radiotherapy.
7. Describe the care of patients with skin ulceration on radiotherapy.
8. Describe indirect laryngoscopy.

III. Short answers on

10 x 3 = 30

1. What is concurrent chemotherapy? Mention three sites where it is used commonly.
2. Mention three premalignant conditions of oral cavity.
3. What are the special precautions to be taken when treating lesions of the eyelids and inner canthus?
4. What can be the symptoms of the patient with carcinoma of the vocal cord?
5. Nutritional advice for patients on radiotherapy.
6. Care of patients with colostomy on Radiotherapy.
7. What are the precautions you would like to take to prevent patient's fall from the treatment couch?
8. How will you manage an irrational patient in the treatment area.
9. What are the advices to the patient to decrease nausea and vomiting during RT?
10. If patient develops bleeding while on RT, what will you do?

[LF 0212]

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I. Elaborate on:

(3 x 10 = 30)

1. Discuss different steps involved in preparing a patient for external beam therapy.
2. What are the indications for tracheostomy and how will you take care of a patient with tracheostomy?
3. How will you prepare a 4 year old child for external beam radiation?

II. Write notes on:

(8 x 5 = 40)

1. How will you relieve flatulence / flatus?
2. How will you manage a patient who develops breathing difficulty during Radiation?
3. Describe the method of catheterization in a patient with acute urinary retention.
4. How will you monitor a child under anesthesia, while under radiation?
5. Discuss the diet for a patient with nasogastric tube.
6. What are the instruments in a trolley for pelvic examination?
7. What is the significance of checking the blood count in a patient under radiation and chemotherapy?
8. How will you prepare a patient for a breast mould?

III. Short answers on:

(10 x 3 = 30)

1. What are the instructions for a patient with skin dermatitis during Radiation?
2. What is proctitis? What instructions will you give a patient with proctitis?
3. What instructions will you give, at the time of discharge for a patient who has received radiation for carcinoma cervix?
4. Urinary catheter.
5. Pulse rate and significance.
6. Describe the diet for a diabetic patient.
7. How will you manage a patient with seizures?
8. What is incontinence and how will you manage incontinence?
9. Describe methods for giving an enema.
10. How will you care for a patient with pain?

[LG 0215]

FEBRUARY 2015

Sub.Code : 1914

**B.Sc. RADIOTHERAPY TECHNOLOGY
SECOND YEAR**

PAPER IV – PATIENT CARE RELEVANT TO RADIOTHERAPY

Q.P. Code: 801914

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. The effect of radiation on lids and eye.
2. Elaborate on the care of children with malignant diseases who require RT.
3. Detail on the auxiliary services required for the care of a patient on radiotherapy.

II. Write notes on:

(8 x 5 = 40)

1. How will you prepare a patient with carcinoma prostate for radiotherapy?
2. Mention in detail the late complications that will develop in a patient receiving pelvic RT.
3. Radiation dermatitis – grading and management.
4. The care of a patient with paraplegia on RT.
5. How will you prepare a patient for post mastectomy radiotherapy? What are your advises on skin care?
6. What are the special precautions to be taken for the radiotherapy of children and babies?
7. How will you manage a patient with acute radiation cystitis?
8. What are the complications of radiotherapy in patients with abdominal tumours?

III. Short answers on:

(10 x 3 = 30)

1. Mention six side effects of chemotherapy.
2. What can be the symptoms of a patient with high grade glioma on leftparietal region.
3. How will you set up the treatment room for a patient with breathing difficulty on RT?
4. If the patient develops seizures while on RT, how will you manage?
5. Temozolomide.
6. Communicable diseases.
7. Biopsy.
8. Cardiopulmonary resuscitation.
9. Monitoring of radiation.
10. Interstitial brachytherapy.

[LH 0815]

AUGUST 2015

Sub.Code : 1914

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SECOND YEAR**

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Q.P. Code: 801914

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss the problems a patient can have while on treatment for carcinoma breast with chemotherapy and radiation.
2. What are the instructions given to a patient receiving radiation to pelvis?
3. Discuss the type of a diet given for a patient under radiation treatment for esophageal Cancers.

II. Write notes on:

(8 x 5 = 40)

1. Diabetic diet.
2. How will you console a child 5 years old coming for radiation?
3. Explain why a cancer patient has psychological distress.
4. What are the common side effects of chemotherapy?
5. How will you manage vomiting?
6. What are instruments necessary for pelvic examination?
7. How will you manage a patient, under radiation for spinal metastasis having pain?
8. How will you manage a patient having sudden onset of breathlessness?

III. Short answers on:

(10 x 3 = 30)

1. How is proctitis managed?
2. Describe the tracheostomy tube, how will you care a patient with tracheostomy tube?
3. What is colostomy? Explain care of colostomy.
4. Explain the different skin reactions during radiation.
5. What are the steps in planning treatment for a new case of carcinoma tongue?
6. Name few medicines used for heart problem.
7. What is the normal blood urea, serum creatinine level?
8. How will you instruct a patient with low total white blood cell count?
9. What is hypotension? What are the immediate measures taken for sudden Hypotension?
10. What is tachycardia? What are the causes for tachycardia?

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Answer all questions

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

1. What are the acute and delayed reactions you will monitor in patients undergoing radiation to pelvis?
2. How will you minimize unnecessary radiation to patients?
3. What are the care to patients during immobilization, stimulation and treatment execution?

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

1. What is radiation mucositis?
2. How will you Care for patients with colostomy?
3. What are the precautions for patients receiving brain radiation?
4. Pre medications used with radiation.
5. Care of eyes during radiation.
6. What is the advice to patients with abdominal radiation?
7. Sterilization methods.
8. Use of blood counts.

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

1. What is universal precautions?
2. What is the role of diet and nutrition?
3. What is hemostatic radiotherapy?
4. What is the advice for patients receiving sensitizer chemotherapy?
5. How will you manage radiation appointments?
6. How will care patients with bone metastasis?
7. Precautions to prevent patient falling from treatment couch.
8. What is the role of medical social worker in radiotherapy?
9. How will you care for patients with pain?
10. How will you care for pediatric patients?
