

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 2403

(OCTOBER 2020 EXAM SESSION)

M.Sc. RADIOTHERAPY TECHNOLOGY

FIRST YEAR (From 2019-2020 onwards)

PAPER III – PATIENT CARE AND EVALUATION INCLUDING BLS

Q.P. Code : 282403

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. How does the SARS-CoV-2 infection affect cancer patients? Describe steps taken to prevent the spread of the infection among staff in the Department & the treatment machines.
2. List the commonest causes of seizures in cancer patients. How do you manage a patient undergoing seizures during treatment in the radiotherapy machine?

II. Write Short Notes on:

(10x6 = 60)

1. Vulnerable patient
2. Basic life support
3. Transferring a patient with spinal cord compression
4. First aid steps for a patient with acute vaginal bleeding
5. Preparing a patient for Intravenous contrast injection study
6. How do you handle a patient reporting with diarrhoea before radiotherapy treatment?
7. Steps for urinary catheterization
8. What is a Laryngoscope & how is it assembled and used?
9. How do you handle a patient or relative who becomes violent?
10. Advise for a patient with psychological difficulty in having a thermoplastic mask placed on the face for treatment.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2403

**M.Sc. RADIOTHERAPY TECHNOLOGY
FIRST YEAR**

(Candidates admitted from 2019-2020 onwards – Paper III)

(Candidates admitted from 2020-2021 onwards – Paper IV)

PAPER III & IV – PATIENT CARE AND EVALUATION INCLUDING BLS

Q.P. Code : 282403

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. How does the SARS-CoV-2 infection affect cancer patients? Describe steps taken to prevent the spread of the infection among staff in the Department & the treatment machines.
2. List the commonest causes of bleeding in cancer patients. How do you manage a patient undergoing severe bleeding during treatment in the radiotherapy machine?

II. Write Short Notes on:

(10x6 = 60)

1. Child undergoing radiotherapy under anaesthesia.
2. Assessment of an unconscious patient
3. Transferring a patient from wheelchair to the treatment couch.
4. Management of a patient with convulsions on the treatment couch
5. Preparing a patient for Intravenous contrast injection study
6. How do you handle a patient reporting with radiation induced mucositis before radiotherapy treatment?
7. Steps for urinary catheterization
8. What is a tracheostomy tube & how is it assembled and used?
9. How do you advise patients when you have treatment machine break down?
10. Advise for a patient with psychologic difficulty in having a thermoplastic mask placed on the face for treatment.
