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

[MD 0524] **MAY 2024** **Sub. Code: 4079**

M.D. DEGREE EXAMINATION

BRANCH XXVI - RADIATION ONCOLOGY

PAPER III – ALLIED ONCOLOGY PRACTICES (SURGICAL ONCOLOGY, MEDICAL ONCOLOGY AND PALLIATIVE CARE)

Q.P. Code: 204079

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Diagnosis and treatment of Cancer Cervix-Stage 38.

2. Etiopathogenesis, diagnosis and management of Non Small Cell Carcinoma – T2N1 MO.

II. Write notes on: **(10 x 7 = 70)**

1. Gastro-Esophageal Junction Tumors.
2. Pancoast Tumor.
3. Radiotherapy Techniques in Stage 3 Cancer Rectum Lower One third.
4. Re-irradiation in brain tumors.
5. Beam modifying devices.
6. Bladder protocol in Pelvic Radiation.
7. Anaplastic Carcinoma Thyroid.
8. Altered Fractionation.
9. Forward Planning IMRT.
10. Neuroblastoma.

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

[MD 1224] **DECEMBER 2024** **Sub. Code: 4079**
(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

RADIO THERAPY

RADIATION ONCOLOGY

PAPER III – ALLIED ONCOLOGY PRACTICES (SURGICAL ONCOLOGY, MEDICAL ONCOLOGY AND PALLIATIVE CARE)

Q.P. Code: 204079

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Classify cancers of thyroid. Discuss the management of papillary cancer thyroid and follicular cancer thyroid briefly.

2. Discuss the management of an early cancer of uterine cervix in a 40-year-old women.

II. Write notes on: **(10 x 7 = 70)**

1. Principles of palliative radiotherapy.
2. CNS prophylaxis.
3. Extra medullary plasmacytoma.
4. Malignant ascites.
5. Hormones in breast cancer.
6. Mycosis fungoides.
7. Familial cancers.
8. Role of immunohistochemistry in oncological treatment decision.
9. Describe the significance of sentinel node biopsy.
10. Superior vena cava syndrome.

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4079**

M.D. DEGREE EXAMINATION

RADIO THERAPY

RADIATION ONCOLOGY

PAPER III – ALLIED ONCOLOGY PRACTICES
(SURGICAL ONCOLOGY, MEDICAL ONCOLOGY AND PALLIATIVE CARE)

Q.P. Code: 204079

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe in detail the etiology, pathology, clinical features, imaging and multimodality treatment of carcinoma rectum.

2. Discuss the rationale for concurrent chemoradiation and the sites in which it has an important role with evidence.

II. Write notes on: **(10 x 7 = 70)**

1. Febrile neutropenia.

2. Triple negative breast cancer.

3. Paclitaxel.

4. Management of Ewing's sarcoma.

5. Management of Cancer vulva stage II.

6. Cancer - External Auditory canal.

7. Nonseminomatous germ cell tumours.

8. Pain score.

9. Palliative RT to Brian.

10. Hemostatic Radiotherapy.

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

[MD 0526] **MAY 2026** **Sub. Code: 4079**

M.D. DEGREE EXAMINATION

RADIO THERAPY

RADIATION ONCOLOGY

PAPER III – ALLIED ONCOLOGY PRACTICES
(SURGICAL ONCOLOGY, MEDICAL ONCOLOGY AND PALLIATIVE CARE)

Q.P. Code: 204079

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the role of Radiation in the management of Seminoma testes.

2. Define Pain. Discuss in detail the various causes of pain in a cancer patient and their treatment.

II. Write notes on: **(10 x 7 = 70)**

1. Management of Wilm's Tumour.

2. Colony stimulating factor.

3. Chemotherapy for small cell lung cancer.

4. Management of Osteoclastoma.

5. Cisplatin.

6. Basal cell carcinoma management.

7. Malignant spinal cord compression.

8. Palbociclib.

9. Neoadjuvant chemotherapy in carcinoma stomach.

10. Intra – cranial metastasis.

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