

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 3B.
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.

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

[MD 1224]

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

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. 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.

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 Brain.
10. Hemostatic Radiotherapy.
