

[KM 154]

Sub. Code : 2051

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IX — Radiotherapy

Part II — Final

Paper II — CLINICAL PRACTICE AND TECHNIQUE  
OF RADIOTHERAPY

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :                      (2 × 15 = 30)

(1) Discuss the various irradiation Techniques used for the management of a patient with an early stage prostate cancer.

(2) Classify Tumors of CNS. Write in brief clinical features, diagnostic work up of Intra cranial Tumors. Discuss the role of Stereotactic Radiosurgery in Brain lesions.

II. Short notes :                      (10 × 5 = 50)

(a) Permanent Implantation.

(b) Remote Alter Loading Devices.

(c) Treatment Techniques for Ca. parotid irradiation.

(d) Radio active Iodine Therapy.

(e) Breast Conservation Therapy, In Ca. Breast.

(f) Hyperthermia.

(g) Treatment Technique for early stage Ca. Base of Tongue.

(h) Techniques of irradiation for advanced stage Ca. of uterine cervix.

(i) CNS prophylaxis.

(j) Hemi body irradiation.



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M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch IX — Radiotherapy

Paper III — CLINICAL PRACTICE AND TECHNIQUE  
OF RADIOTHERAPY

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Classify the tumours of the lung and discuss  
the management. (20)

(2) Discuss the management of carcinoma  
breast. (15)

(3) Discuss the management of Seminoma  
Testis. (15)

II. Short notes :

(6 × 5 = 30)

- (a) P32
  - (b) Gamma Knife
  - (c) Mammography
  - (d) Technitium 99m
  - (e) Dental care in Radiotherapy
  - (f) Simulator.
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II. Short notes :

(6 × 5 = 30)

M.D. DEGREE EXAMINATION.

Branch IX — Radio Therapy

CLINICAL PRACTICE AND TECHNIQUE OF  
RADIO THERAPY

Common to

Part II — Final Paper II — (Old/New/Revised  
Regulations) (Candidates admitted from 1988–89  
onwards)

and

Paper — III (for candidates admitted from 2004–2005  
onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

1. Essay :

(1) Discuss the hormonal management of Breast  
Cancer. (20)

(2) Discuss Intraluminal brachy therapy. (15)

(3) Discuss Craniospinal irradiation. (15)

(a) IMRT.

(b) Malignant Ascites.

(c) Tumorlysis syndrome

(d) Genotherapy.

(e) Gammaknife.

(f) Simulator.

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II. Short notes on :

(6 × 5 = 30)

M.D. DEGREE EXAMINATION.

Branch IX — Radiotherapy

Paper III — CLINICAL PRACTICE AND TECHNIQUE  
OF RADIOTHERAPY

(Candidates admitted from 2004–05 onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

1. Discuss the management of Parotid Salivary gland tumour with emphasis on Radiotherapy Techniques. (20)
2. Write an account on steps involved in treating patients with IMRT Technique. (15)
3. Describe the natural history, clinical presentation, diagnostic workup, staging and treatment of carcinoma of Nasopharynx. (15)

(a) 3-D CRT

(b) Tamoxifen

(c) HDR Brachytherapy

(d) RT for pituitary adenomas

(e) Late radiation sequelae in Ca. cervix

(f) Mantle fields.

**MARCH 2008**

**[KS 142]**

**Sub. Code : 2037**

M.D. DEGREE EXAMINATION.

Branch IX — Radio Therapy

CLINICAL PRACTICE AND TECHNIQUE OF RADIO THERAPY

Common to all candidates

**Q.P. Code : 202037**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Long Essay : (2 × 20 = 40)
1. Discuss the investigations and management of an unknown primary with secondary deposits in neck.
  2. Discuss the staging of Non Small cell lung cancer and how would you manage a case of stage III inoperable Non Small Cell Lung Cancer.
- II. Short notes : (10 × 6 = 60)
1. Biphosphonates.
  2. Hormonal therapy in carcinoma prostate.
  3. Malignant ascites.
  4. CA-125.
  5. Choriocarcinoma.
  6. Integral dose.
  7. Ependymoma.
  8. Prognostic factors in carcinoma breast.
  9. ALARA
  10. Osteoclastoma.
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