

April-1996

[AK 156]

M.D. DEGREE EXAMINATION.

Branch IX — Radiotherapy

(Revised Regulations)

Part II — Final

**Paper II — CLINICAL PRACTICE AND
TECHNIQUE OF RADIO THERAPY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the Radiotherapeutic management of a patient with T2 Carcinoma prostate. (25)

A young man has had high inguinal orchidectomy for seminoma of the Testis. State how you investigate this patient further and his subsequent management. (25)

2. Write briefly on : (5 × 10 = 50)

- (a) A Radiotherapy simulator
- (b) Polycythemia rubra vera.
- (c) Interferon.
- (d) Intraluminal Irradiation.
- (e) TEM PLATES in Brachytherapy

M.D. DEGREE EXAMINATION
Branch IX - Radio Therapy
(Revised Regulations)

Part II - Final

Paper II - CLINICAL PRACTICE AND TECHNIQUE
OF RADIOTHERAPY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the management of a 60 year old woman with squamous cell carcinoma confined to left maxillary antrum. Describe in detail a radical radiotherapy technique for this patient. (25)
2. Why is the conservative management of early breast cancer increasing? Discuss in detail the radiotherapeutic approach. (25)

Write Briefly on:

- (a) 3-D Computerized Treatment Planning
- (b) Solitary Plasmacytoma
- (c) Interleukins
- (d) Intraoperative radiotherapy
- (e) Tissue compensators.

(5x10=50)

MP 147

M.D. DEGREE EXAMINATION
Branch IX - Radio Therapy
(Revised Regulations)
Part II - Final

Paper II - CLINICAL PRACTICE AND TECHNIQUE
OF RADIOTHERAPY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the various radio therapy equipments available and discuss their relative merits and demerits. (25)
2. Describe the management and prognosis of carcinoma oesophagus in upper, middle and lower thirds. (25)
3. Write briefly on:
 - (a) Whole body irradiation
 - (b) Burkitt's lymphoma
 - (c) Carcino embryonic antigen
 - (d) Emergency radiotherapy
 - (e) Carcinoid tumour

(5x10=50)

M.D. DEGREE EXAMINATION
Branch IX - Radio Therapy
(Revised Regulations)
Part II - Final

Paper II - CLINICAL PRACTICE AND TECHNIQUE
OF RADIOTHERAPY

Time: Three hours

Max.marks:100

Answer All Questions

1. What is the incidence of cancer uterine cervix? Comment on postoperative incidence. What is the best treatment in any stage of the disease and why? (25)
2. Describe the modern classification of testicular tumours and discuss the principles of Radiotherapy in their management. (25)
3. Write briefly on:
 - (a) Rotation therapy
 - (b) Mould application
 - (c) Tissue compensators
 - (d) Retinoblastoma
 - (e) Interstitial therapy.

(5x10=50)

M.D. DEGREE EXAMINATION
Branch IX - Radio Therapy
(Revised Regulations)

Part II - Final

Paper II - CLINICAL PRACTICE AND TECHNIQUE
OF RADIOTHERAPY

Time: Three hours

Max.marks:100

Answer All Questions

1. How will you manage a case of Stage I germ cell tumour of testis? (25)
2. Discuss the diagnosis, treatment and prognosis of carcinoma maxillary antrum. Describe the radiation techniques used in detail for this disease. (25)
3. Write briefly on:
 - (a) Prophylatic cranio-spinal irradiation
 - (b) H.C.G. and A.F.P.
 - (c) Treatment of T1 lesion on lateral border of anterior 2/3rd of tongue.
 - (d) Whole body Electron Beam Therapy
 - (e) Management of localised Ewing's sarcoma of Tibia.

(5x10=50)

October-1998

[SM 154]

M.D. DEGREE EXAMINATION.

Branch IX — Radio-Therapy

(Revised Regulations)

Part II — Final

Paper II — CLINICAL PRACTICE AND TECHNIQUE OF
RADIOTHERAPY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What are the different prognostic factors in Ca. Cervix? Describe the schedules of practice of external and intracavitary Radiotherapy in Ca. Cervix Stage III. (25)
2. What is intraluminal therapy? How do you combine such therapy with External Radiation in Ca. Oesophagus. Give valid rationale for such combined treatment. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Interstitial implant in early Ca. Breast.
 - (b) Tumour markers.
 - (c) Tamoxifen.
 - (d) Radioprotectors.
 - (e) Targeted Radiotherapy.

April-1999

[SG 154]

Sub. Code : 2030

M.D. DEGREE EXAMINATION.

Branch IX — Radiotherapy

(Revised Regulations)

Part II — Final

Paper II — CLINICAL PRACTICE AND TECHNIQUE
OF RADIOTHERAPY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Give the clinical features, diagnosis and staging of laryngeal carcinomas. Give in details the treatment of $T_2N_0M_0$ glottic cancer. (25)
2. Give the aetiology and staging of endometrial carcinoma. Mention the role of radiotherapy and give its indications. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Bolus.
 - (b) Intraluminal brachytherapy.
 - (c) Strontium — 89.
 - (d) Linear quadratic model.
 - (e) Planning Target Volume (PTV).

October-1999

[KA 154]

Sub. Code : 2036

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

Answer ALL questions

1. How will you manage a case of stage II B seminoma of testis? (25)
2. Describe the lymphatic drainage of urinary bladder. Discuss in detail the radiotherapy of poorly differentiated T₂ bladder carcinoma. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Treatment options in cutaneous T cell lymphomas
 - (b) Management of stage T₂ squamous cell carcinoma of the floor of mouth
 - (c) Whole body irradiation
 - (d) Gonadal protection during radiotherapy of subdiaphragmatic Stage II Hodgkin's disease
 - (e) Intraluminal brachy therapy.

April-2000

[KB 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

Answer ALL questions.

1. Discuss the diagnosis staging of nasopharyngeal carcinoma. Enumerate the radiotherapeutic techniques used in treating the various stages of this malignancy and describe in detail the technique used to treat a case of CA. nasopharynx with stage T₁ N₀ M₀. (25)
2. Discuss the management of early stage female breast cancer in a 35 year old. (25)
3. Write briefly on :
 - (a) Oncological emergencies
 - (b) Transperineal template implants in cancer uterine cervix
 - (c) Craniopharyngiomas
 - (d) Supportive care and quality of life
 - (e) Hemibody irradiation. (5 × 10 = 50)

October-2000

[KC 154]

Sub. Code : 2051

M.D. DEGREE EXAMINATION

Branch IX — Radiotherapy

(Revised Regulations)

Part II — Final

**Paper II — CLINICAL PRACTICE AND
TECHNIQUE OF RADIOTHERAPY**

Time : Three hours

Maximum : 100 marks

1. Discuss the role of radiotherapy in carcinoma of Larynx. (25)
2. Discuss the pathology and staging of Hodgkin's lymphoma. How will you manage Hodgkin's lymphoma STAGE II A (Nodular Sclerosis) in a 15 year old girl? (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Non-Small Cell Carcinoma of Lung.
 - (b) Malignant Ascitis.
 - (c) Midline granuloma.
 - (d) Carcinoma of Anal Canal.
 - (e) Management of Pain in terminal cancer.