

MP 316

APRIL 1997

DIPLOMA IN MEDICAL RADIOLOGY - THERAPY

(New Regulations)

Paper II - GENERAL PRINCIPLES OF RADIO THERAPY
INCLUDING RADIO-BIOLOGY AND CHEMOTHERAPY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the aetiology, pathology and treatment of carcinoma of bladder. (25)
 2. Discuss the treatment of carcinoma posterior third of tongue with a hard fixed neck node. (25)
 3. Write briefly on: (5x10=50)
 - (a) Superior Vena Cava Obstruction
 - (b) FKAC
 - (c) OER
 - (d) G1 phase
 - (e) Hyperfractionation.
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OCTOBER 1997

MS 315

DIPLOMA IN MEDICAL RADIOLOGY-THERAPY

(New Regulations)

Paper II - GENERAL PRINCIPLES OF RADIOTHERAPY
INCLUDING RADIO-BIOLOGY AND ONCOLOGY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the following modifiers of (4x10=40)
Radiation response
 - (a) Oxygen effect
 - (b) Sublethal damage
 - (c) Hypoxic cell sensitizers
 - (d) Dose rate
2. What are the late effects of Radiation?
Describe them in detail. (20)
3. Write briefly on: (4x10=40)
 - (a) Time-dose fractionation
 - (b) Hyperthermia
 - (c) Effects of irradiation on the skin
 - (d) Tissue radio-sensitivity.

SV 337

APRIL 1998

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Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the classification, pathology and treatment of tumours of orbit. (25)
 2. Discuss about whole body effects of irradiation and their management. (25)
 3. Write briefly on: (5x10=50)
 - (a) Spinal cord compression with tumour
 - (b) R.B.E.
 - (c) Interferons in oncology
 - (d) Cell cycle
 - (e) Radiation sensitizers.
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APRIL 1999

[SG 1518]

Sub. Code : 3026

DIPLOMA IN MEDICAL RADIOLOGY-THERAPY
EXAMINATION.

(New Regulations)

Paper II — GENERAL PRINCIPLES RADIOTHERAPY
INCLUDING RADIOBIOLOGY AND ONCOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is a cell survival curve? Discuss the various parameters used to describe the cell survival curve. (25)
 2. Discuss the role of radiotherapy in the palliation of cancer. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Reoxygenation.
 - (b) Altered fractionation strategies in clinical radiotherapy.
 - (c) Tumour kinetic parameters.
 - (d) Biological basis of hyperthermia.
 - (e) Target volumes and their implication in teletherapy.
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APRIL 2000

[KB 1518]

Sub. Code : 3026

**DIPLOMA IN MEDICAL RADIOLOGY-THERAPY
EXAMINATION.**

(New Regulations)

**Paper II — GENERAL PRINCIPLES OF
RADIOTHERAPY INCLUDING RADIOBIOLOGY AND
ONCOLOGY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the aetiopathogenesis, clinical features, diagnosis and management of thyroid malignancy. (25)
 2. Discuss the clinical features, pathology, diagnosis and management of Ewings Sarcoma. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Basal cell carcinoma of the skin
 - (b) Cancer cervix staging I to IV
 - (c) Superior mediastinal obstruction
 - (d) Tumour markers
 - (e) Endocrine therapy in carcinoma breast.
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OCTOBER 2000

[KC 1518]

Sub. Code : 3026

DIPLOMA IN MEDICAL RADIOLOGY-
THERAPY EXAMINATION.

(New Regulations)

Paper II — GENERAL PRINCIPLES OF
RADIOTHERAPY INCLUDING RADIO BIOLOGY
AND ONCOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the clinical features, pathological Classification, Diagnosis and the role of Radiotherapy in the management of non small cell carcinoma lung. (25)
 2. Discuss the aetiology, pathology, clinical presentation and management of carcinoma of oesophagus. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Medulloblastoma
 - (b) Management of carcinoma cervix stage – I
 - (c) Mammography
 - (d) Anaplastic carcinoma of Thyroid
 - (e) Tissue compensators.
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