March-1991

340

D.M. DEGREE EXAMINATION, MARCH 1991.

(Higher Specialities)

(New Regulations)

Branch VII — Oncology (Medical)

Part I

Paper I — BASIC SCIENCES

(Radiation Physics, Tumour Biology, Biochemistry, Biometry, Immunology and Pharmacology)

Time : Three hours. Maximum : 100 marks.

Answer ALL the questions.

1. Discuss the epidemiology of virus related neoplastic diseases. (25 marks)

2. Write a short essay on growth factors in haemato-poiesis. (25 marks)

3. Write short notes on :

(a) Role of combined chemo radiotherapy in solid tumors.

(b) Antioncogenes (suppressor genes).

(c) Goldie's coldman hypothesis.

(d) Therapy related cancers.

(e) Tumor lysis syndromes. (5 × 10 = 50 marks)

April-1996

AK 27

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch VII - Oncology (Medical)

(Revised Regulations)

Paper I - BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY & PHARMACOLOGY)

Time: Three hours Max. marks:100

Answer All Questions

1. Discuss the role of immunophenotyping in the diagnosis of acute lymphoblastic leukemia.(25)

2. Discuss the drug resistance in cancer. (25)

3. Write short notes on:

   (a) Precancerous lesions of oral cavity

   (b) N K Lymphocyte

   (c) Lebelling Index

   (d) Alloimmunization to platelet antigens

   (e) Tumour suppressor gene (5x10=50)

April-1997

MP 20

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch VII - Medical Oncology

(Revised Regulations)

Paper I - BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY & PHARMACOLOGY)

Time: Three hours Max.marks:100

Answer All Questions

1. Discuss the role of the immune system in the diagnosis and management of cancer. 25)

2. Discuss tumour metastasis and its management. 25)

3. Write briefly on:

(a) Tumour cell heterogeneity

(b) Overcoming drug resistance

(c) Droloxifene

(d) Type I error

(e) P-53. (5x10=50)

October-1997

MS 12

D.M. DEGREE EXAMINATION

Branch VII - Medical Oncology

(Revised Regulations)

Paper I - BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY & PHARMACOLOGY)

1. Write a short essay on familial cancers

2. Discuss the role of differentiating agents for the management of cancer

3. Write short notes on :

   1. Taxol

   2. Cervical dysplasia

   3. Topoisomerase inhibitors

   4. Gene manipulation in radiotherapy

   5 H. pyloris and stomach cancer. (5x10=50)

April-1998

SV 20

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch VII - Medical Oncology

(Revised Regulations)

Paper I - BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY & PHARMACOLOGY)

Time: Three hours Max. marks:100

Answer All Questions

1. Discuss DNA damage and repair mentioning its clinical importance in oncology. (25)

2. Discuss acute and delayed radiation reactions. (25)

3. Write briefly on:

(a) Cell cycle regulation

Importance of measurement of CRP and β2 microglobulin in clinical oncology

Thrombopoietin

(d) Drug delivery system

(e) Polymerase chain reaction.

(5x10=50)

October-1998

[SM 017]

D.M. DEGREE EXAMINATION.

(Higher Specialities)

Branch VII — Medical Oncology

(Revised Regulations)

Paper I — BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY & PHARMACOLOGY)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of immunophenotyping of cells in the diagnosis of acute leukaemia. (25)

2. Discuss the rationale for concurrent chemotherapy–radiotherapy in the management of cancer. (25)

3. Write briefly on : (5 × 10 = 50)

(a) Tacrolimus (FK 506)

(b) Primary prevention of upper aerodigestive tract cancers.

(c) Radiosensitizing Nucleosides.

(d) Prognostic factors in germ cell tumours of testis.

(e) Tumour heterogeneity.

April-2000

[KB 017] **Sub. Code : 1301**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch VII — Medical Oncology

(Revised Regulations)

Paper I — BASIC SCIENCES (RADIATION PHYSICS, TUMOUR BIOLOGY, BIOCHEMISTRY, BIOMETRY, IMMUNOLOGY AND PHARMACOLOGY

Time : Three hours Maximum : 100 marks

Answer ALL questions

1. Discuss cytogenetic abnormalities in Haematological malignancies (25)

2. Describe the clinical pharmacology and toxic effects of Cisplatin. (25)

3 Write briefly on (5 × 10 = 50)

(a) Fish
(b) α–Fetoprotein
(c) Intrapleural chemotherapy
(d) Brachy therapy
(e) Fast Neutron Therapy.

October-2000

[KC 017] **Sub. Code : 1301**

D.M. DEGREE EXAMINATION

(Higher Specialities)

Branch VII — Medical Oncology

(Revised Regulations)

Paper I — BASIC SCIENCES

(Radiation Physics, Tumor Biology, Biochemistry, Biometry, Immunology and Pharmacology)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss the role of immune phenotyping in the diagnosis of small round cell tumor. (25)

2. Discuss the newer anti cancer drugs briefly and its contribution in Breast Cancer. (25)

3. Write briefly : (5 × 10 = 50)

   (a) Cyclins

   (b) Chronomodulation

   (c) Standard deviations

   (d) Genetic markers

   (e) Relative biological efficiency.