

April-2001

[KD 018]

Sub. Code : 1302

D.M. DEGREE EXAMINATION.

(Higher Specialities)

Branch VII — Medical Oncology

(Revised Regulations)

**Paper II — GENERAL ONCOLOGY, TUMOUR
PATHOLOGY, RADIOLOGY AND NUCLEAR
MEDICINE**

Time : Three hours , Maximum : 100 marks

Answer ALL questions

1. Discuss the pathology, clinical features, staging and management of Wilms' tumor. (25)
2. Describe the use of monoclonal antibodies in diagnosis of small round cell tumors. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) MRI.
 - (b) Bone scan.
 - (c) Pain control in cancer
 - (d) Tamoxifen.
 - (e) Lasers in oncology.

November-2001

[KE 018]

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(Revised Regulations)

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MEDICINE

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss critically role of chemotherapy in early stage breast cancer. (25)
 2. Discuss role of concurrent chemo-radiotherapy in locally advanced squamous cell cancer of cervix. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Differential diagnosis of a painful, neoplastic retroperitoneal mass in a 27 year old man
 - (b) Complete versus partial hydatiform mole
 - (c) WHO grading for oral mucositis
 - (d) Radiographic skeltal abnormalities in children with acute leukemia
 - (e) Mammography versus self examination in screening of breast cancer.
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Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss briefly classification, pathology and treatment of germ cell tumours of ovary. (25)

2. Describe role of chemotherapy in muscle invasive urinary bladder cancer. (25)

3 Short notes on (5 × 10 = 50)

(a) Choice of Radiologic investigations in the diagnosis and follow up of a patient with multiple myeloma

(b) Chemotherapy for high grade NHL of gut in a 6 year old child

(c) Clear cell carcinoma of ovary

(d) Immunohistochemistry in the differential diagnosis of small round cell tumours

(e) Radionuclide treatment of painful bony metastases.

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MEDICINE

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.

A. Essay : (2 × 15 = 30)

(1) Discuss briefly pathology of childhood soft tissue sarcomas. How will you treat a 4 years old child with Orbital Rhabdomyosarcoma. (15)

(2) A 57 year old man has been diagnosed to have moderate splenomegaly with pancytopenia. Discuss critically the management plan. (15)

B. Short notes. (10 × 5 = 50)

- (1) Gastrointestinal stromal Tumours (GIST)
- (2) Radiology in the diagnosis of Brain Tumours
- (3) Malignant tumours of Heart
- (4) Catheter associated infections.
- (5) Placental Site Trophoblastic Tumour (PSTT).
- (6) Differential diagnosis of malignant ascites in a 25 year old male.
- (7) Radioisotopes in the therapy of bone metastases.
- (8) Molecular biology of Head and Neck cancer.
- (9) WHO classification of myelodysplastic syndrome.
- (10) Growing Teratoma Syndrome.

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MEDICINE**

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

MCQ : Twenty minutes

MCQ : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Discuss critically role of concurrent chemoradiotherapy for organ preservation in advanced laryngeal cancer.

(2) Discuss briefly merits and demerits of various methods for screening of cancer cervix in the community.

II. Short notes : (10 × 5 = 50)

- (a) Role of PET Scan staging of Lung Cancer.
- (b) Differential diagnosis of ovarian mass in a 15 year old girl.
- (c) POEMS syndrome.
- (d) Large cell anaplastic lymphoma.
- (e) Complete mole Vs. partial mole.
- (f) Pathology of uterine sarcomas.
- (g) Role of Radiology in Childhood Bone Tumours.
- (h) Immunotherapy for metastatic renal cell cancer.
- (i) Venous thromboembolic complications of cancer.
- (j) Importance of Long term Follow up in cancer survivors.