

March 2009

[KU 143]

Sub. Code: 2038

M.D. DEGREE EXAMINATION
Branch IX – RADIO THERAPY
(Candidates admitted upto 2007-2008)

**Paper IV – CANCER CHEMOTHERAPY AND RECENT
DEVELOPMENTS IN CLINICAL ONCOLOGY
AND RADIOTHERAPY**

Q.P. Code : 202038

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

- 1 What are the complications of chemotherapy? How will you manage a case of neutropenic fever?
2. Write a note on Targeted molecular therapy in oncology. Give one example with its role along with radiation.

II. Write short notes on : (10 X 6 = 60)

1. Paclitaxel.
2. Antioxidants.
3. Clinical trials.
4. Anterior chemotherapy.
5. Mode, mean and median.
6. Dose volume histogram.
7. Partial breast irradiation.
8. Quality of life.
9. PET – CT scan.
10. Gemcitalin.

September 2009

[KV 143]

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DEVELOPMENTS IN CLINICAL ONCOLOGY
AND RADIOTHERAPY**

Q.P. Code : 202038

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Classify various chemotherapeutic agents. Discuss Neoadjuvant chemotherapy.
2. Discuss adjuvant chemotherapy in breast cancer.

II. Write short notes on : (10 X 6 = 60)

1. Temozolamide
2. CEA
3. Immunohistochemistry
4. Febrile neutropenia
5. Cyber knife
6. Cancer genetics
7. Virtual simulation
8. Concurrent chemoradiation in cancer cervix.
9. Parameters in descriptive statistics
10. Tumour lysis syndrome

March 2010

[KW 143]

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M.D. DEGREE EXAMINATION

Branch IX – RADIO THERAPY

**Paper IV – (for candidates admitted upto 2007-2008) and
Part II / Paper III – (for candidates admitted from 2008-2009 onwards)**

**CANCER CHEMOTHERAPY AND RECENT DEVELOPMENTS
IN CLINICAL ONCOLOGY AND RADIOTHERAPY**

Q.P. Code : 202038

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. The role of chemotherapy in curative treatment of head and neck cancers – Discuss.
2. Discuss – Targeted therapies.

II. Write short notes on : (10 x 6 = 60)

1. Tumour lysis syndrome
2. Temozolamide
3. Antioxidants.
4. Multileaf collimator.
5. Herceptin.
6. 5- HT3 receptor antagonist.
7. Cyclotron.
8. Performance status.
9. LQ model.
10. Fine needle aspiration cytology.
