

PAPER CODE: 6064

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D.M./M.CH. DEGREE EXAMINATIONS: MARCH, 2025

**MEDICAL ONCOLOGY
PAPER – IV
RECENT ADVANCES**

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write essay on the following:

2 X 30 = 60

1. Describe the molecular classification of breast cancer. Write briefly the prognostic and predictive gene signatures which can be used clinically for decision making. (10+20)
2. Describe the principles of cancer screening. Discuss the cervical cancer screening in our country. Enumerate the types, indications, dosage and effectiveness of cervical cancer vaccine. (10+10+10)

Write a short note on the following:

4 X 10 = 40

3. Briefly outline the principles of liquid biopsy and indications for the same in Oncology.
4. Enumerate the steps of drug development. What are phase two clinical trials. (5+5)
5. Discuss the principles of HIPEC. Enumerate the indications and adverse effects. (5+5)
6. Summarize the recent advances in Head & Neck Cancers chronologically with evidence.
