

QP Code:104511

Reg. No.:.....

**M.Ch. (Surgical Oncology) Degree Regular/Supplementary  
Examinations April 2025**

**Paper IV – Recent Advances in Surgical Oncology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. What is the rationale for total neoadjuvant therapy in rectal cancer. Discuss in detail the important trials published recently evaluating total neoadjuvant treatment in rectal cancer.

**Short essays:**

**(8x10=80)**

2. Pressurised Intraperitoneal Aerosolized Chemotherapy (PIPAC)
3. Applications of 3D printing in oncology
4. Denosumab in giant cell tumors of the bone
5. CAR T-cell therapy
6. Role of minimally invasive surgery for cervical cancer
7. Describe the mechanism of action of immune check point inhibitors in brief and mention the approved indications for use
8. Discuss the recent evidence for chemoprophylaxis in patients with Lynch syndrome
9. Discuss the molecular classification of endometrial cancer briefly

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