

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**(MCH 0223)**

**FEBRUARY 2023**

**Sub. Code: 1804**

**M.Ch. – SURGICAL ONCOLOGY**

**Paper IV – RECENT ADVANCES IN SURGICAL ONCOLOGY**

***Q.P. Code: 181804***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What are CDK4/8 inhibitors? What is the mechanism of action?  
Discuss the indication and toxicity.
2. Discuss the impact of the Covid pandemic on oncology services in India in the past years and mention the salient changes in treatment strategies made by oncologists.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Pembrolizumab.
2. Bi-directional chemotherapy.
3. Next generation sequencing.
4. Cancer vaccines.
5. Molecular classification in uterine cancers.
6. Trans oral robotic surgery.
7. 3D Tomosynthesis for breast cancer screening.
8. Abiraterone.
9. HPV vaccines in India.
10. Liquid biopsy.

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