

QP Code:104516

Reg. No.:.....

**D.M. (Paediatric Oncology) Degree Regular/Supplementary
Examinations April 2025**

Paper IV – Recent Advances in Pediatric 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 a high allelic ratio FLT3/ITD in relation to pediatric AML. Discuss the role of FLT3/ITD inhibitors in managing pediatric AML with FLT3/ITD.

Short essays: (8x10=80)

2. Molecular genetics and targeted therapies for pediatric high-grade glioma
3. Anti-GD2 immunotherapy for high-risk neuroblastoma.
4. Describe the drug venetoclax. Role in Pediatric Oncology.
5. Shared care in Pediatric Oncology.
6. Role of high-dose chemotherapy and autologous stem cell transplant for Wilms tumor and Ewing's sarcoma.
7. Discuss the options for medical (drug) treatment of desmoid-type fibromatosis.
8. Discuss the options for antifungal prophylaxis during treatment of pediatric AML.
9. Clinical features, diagnosis, and treatment of CMV infection during maintenance therapy of ALL.
