

QP Code:104516

Reg. No.:.....

**D.M. (Pediatric Oncology) Degree Regular/Supplementary
Examinations August 2022**

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. Chemotherapy safety and prevention of errors in drug administration:

- Describe methods of reporting the problem
- Root cause analysis
- Describe in detail the methods for preventing errors.

Short essays:

(8x10=80)

2. Umbilical cord blood preservation: Pros and cons
3. PET scan in pediatric practice
4. Non-myeloablative stem cell transplant strategies
5. Intra-arterial chemotherapy in retinoblastoma
6. BRAF mutations in pediatric oncology
7. Diagnosis and treatment of central venous line infections
8. JAK family kinases in pediatric oncology
9. Brachytherapy in pediatric oncology.
