

Q P Code: 101516

Reg. No.:.....

**D.M. (Pediatric Oncology) Degree Regular/Supplementary
Examinations September 2020**

Paper I – Basic Science as Applied to 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. Discuss: Immunophenotyping of acute leukemias and role of immunophenotyping in the diagnosis and management of acute leukemias.

Short essays: (8x10=80)

2. Discuss the pathophysiology and management of anthracycline induced cardiotoxicity.
3. Epidemiology of childhood cancers.
4. What are Deauville criteria in relation to assessing response in lymphomas.
5. High dose methotrexate.
6. Discuss molecular diagnosis & insights of low grade gliomas.
7. Discuss the role of therapeutic drug monitoring in pediatric oncology.
8. Next generation sequencing.
9. Discuss tumor angiogenesis
