

Q P Code: 101516

Reg. No.:.....

**D.M. (Pediatric Oncology) Degree Regular/Supplementary
Examinations August 2021**

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. Describe cancer cell kinetics and clinical application of chemotherapy, dose intensity and combination.

Short essays:

(8x10=80)

2. WHO classification of brain tumors
3. Immunodeficiency disorders and childhood cancers
4. Li-Fraumeni syndrome
5. DNA microarray in diagnosis
6. Pathology of Hodgkin lymphoma
7. ALL Trans Retinoic Acid (ATRA)
8. Tumor suppressor genes
9. Tumor heterogeneity
