

QP Code:102516

Reg. No.:.....

**D.M. (Pediatric Oncology) Degree Regular/Supplementary
Examinations November 2023**

**Paper II – Clinical Paediatric Oncology Part I (Hematological Malignancies and
Supportive Care)**

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. Strategies for managing acute myeloid leukemia (non-M3) in low-middle income countries. How will you optimize management if optimal access to risk stratification, supportive care, and HSCT are lacking.

Short essays:

(8x10=80)

2. Role of surveillance cultures in Pediatric oncology.
3. Prevalence of TPMT, ITPA, and NUDT 15 genetic polymorphisms and their relation to 6MP toxicity in Indian children with acute lymphoblastic leukemia.
4. Discuss the role, pros, and cons of pooled granulocyte concentrate from whole blood buffy coats vs. granulocytes concentrate obtained by apheresis.
5. Discuss the role of trametinib and vemurafenib in the management of LCH.
6. Discuss the discontinuation of tyrosine kinase inhibitors in pediatric chronic myeloid leukemia.
7. Strategies for optimal maintenance chemotherapy for pediatric acute lymphoblastic leukemia to reduce the risk of relapse and severe infections.
8. Discuss the pros and cons of ABVD vs. OEPA/COPDAC for pediatric Hodgkin lymphoma in low-middle income countries.
9. List the specific indications for allogeneic hematopoietic transplant in the management of acute lymphoblastic leukemia in children.
