

PEDIATRIC HEMATO ONCOLOGY
THEORY PAPER**Time : 3 hours****Max. Marks : 100****Attempt all questions in order.**
Each question carries 10 marks.**Write short notes on:**

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| 1. | a) Role of Hepcidin in iron metabolism.
b) Management of Evan Syndrome. | 5+5 |
| 2. | a) Staging of Wilms' tumor.
b) Anaplasia in Wilms' tumor. | 5+5 |
| 3. | a) PreTEXT staging of Hepatoblastoma.
b) Intraarterial vs Intravitreal therapy in retinoblastoma. | 4+6 |
| 4. | a) Kostman syndrome.
b) Therapy of steroid resistant GVHD post stem cell transplant. | 5+5 |
| 5. | a) EBV infection and its role in childhood cancers.
b) Diagnosis of Hemophagocytic lymphohistiocytosis (HLH). | 5+5 |
| 6. | a) Therapy induced leukemia.
b) FLT3 inhibitors. | 5+5 |
| 7. | a) Genomics of juvenile myelomonocytic leukemia.
b) Treatment of stage 1 nodular lymphocyte predominant Hodgkin's lymphoma.
c) Diagnosis of transient myeloproliferative disorder. | 4+3+3 |
| 8. | a) Diagnosis of alveolar rhabdomyosarcoma.
b) Medical management of fibromatosis.
c) Pazopanib. | 3+4+3 |
| 9. | a) Deauville criteria.
b) Phase 1 trial.
c) Multivariable analysis. | 3+4+3 |
| 10. | a) High dose methotrexate in osteosarcoma.
b) Role of radiotherapy in stem cell transplant conditioning.
c) Approach to a peripheral smear with thrombocytopenia with large size platelets and normal other cells. | 3+3+4 |
