

**QP Code:103110**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Pathology (MD)  
October 2019**

**Paper III - Haematology, Transfusion Medicine and Laboratory Medicine**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay: (20)**

1. Discuss the WHO classification, cytogenetic and pathology of myelodysplastic syndrome.

**Short Essays: (8x10=80)**

2. Interpretations of histograms in haematology cell counter reports
3. Importance of antibody screening in blood transfusion
4. Discuss haematological changes in pregnancy
5. Fluorescent-in-situ hybridisation (FISH) in diagnosis of hematologic malignancies
6. What are hematogones. Add a note on diagnosis and prognosis of bi-phenotypic acute leukaemia.
7. Discuss in detail Fresh Frozen Plasma (FFP)
8. Automation in semen analysis
9. Pathogenesis and diagnosis of Immune Thrombocytopenic Purpura (ITP).

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