

**Q.P Code**

**Reg. No.**

**PG Degree Regular/Supplementary Examinations in Pathology (M.D)**

**PAPER III – Hematology, transfusion medicine and laboratory medicine  
including instrumentation and quality control**

**Time : Three Hours**

**Maximum : 100 Marks**

**Essay:**

**(20)**

1. Discuss the pathogenesis and diagnostic work-up of Sickle-cell Anemia.

**Short Essays**

**(8 x10 = 80)**

2. Heparin-induced thrombocytopenia.
3. Myelodysplastic syndrome.
4. Autologous Blood transfusion.
5. Congenital Dyserythropoietic anemia.
6. Coagulation profile.
7. G6 PD deficiency.
8. Automation in Clinical Pathology Labs.
9. Genetic and molecular abnormalities in Myeloproliferative neoplasms