

**Q.P.Code:301379**

**REG. No:.....**

**Final Year M.Sc Medical Physiology Degree Supplementary Examinations,  
February 2014**

**Time: 3 hrs**

**Max. Marks:- 100**

**General Physiology, Haematology and Cardiovascular System**

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

**Essay: (20)**

1. Discuss the stages of erythropoiesis and the factors influencing it. Add a note on regulation of erythropoiesis.

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

2. Fluid mosaic model of cell membrane.
3. Define cardiac cycle. Explain the mechanical events of cardiac cycle correlating them with intra ventricular pressure changes.
4. Name the plasma proteins. Explain its functions.
5. Explain the formation, circulation, composition and functions of lymph.
6. Explain the different types of inter cellular communications.
7. Explain the ionic basis for the origin and spread of cardiac impulses.
8. Describe the genetics, inheritance and significance of Rh blood grouping
9. Explain intrinsic mechanism of blood coagulation.

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