

**Q.P.Code:301379**

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

**Final Year M.Sc Medical Physiology Degree Supplementary Examinations,  
February 2016**

**Time: 3 hrs**

**Max. Marks:- 100**

**General Physiology, Haematology and Cardiovascular System**

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

**Essay:**

**(20)**

1. Discuss cardiac output and its regulation at rest and during exercise.

**Short Essays:**

**(8x10=80)**

2. Active transport mechanisms across the cell membrane.
3. Short term regulation of blood pressure.
4. Intrinsic mechanism of coagulation.
5. Pressure volume changes in different chambers of heart during normal cardiac cycle.
6. Role of white blood corpuscles in Immune functions.
7. Normal ECG and its clinical application.
8. Erythropoiesis and maturation factors.
9. Blood groups and its significance.

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