

Final Year M.Sc Medical Physiology Degree Examinations, September 2014

Time: 3 hrs

Max. Marks:- 100

General Physiology, Haematology and Cardiovascular System

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

Essay: (20)

1. Define arterial blood pressure with normal values. Explain the factors influencing blood pressure. Add a note on hormonal regulation of blood pressure

Short Essays: (8x10=80)

2. Compare active transport with passive transport with example.
3. Define anemia and mention its etiological classification.
4. Name the different types of proteins and carbohydrates of cell membrane. Explain its functions.
5. Describe the innervations of heart and nervous regulation of heart rate and cardiac output
6. Explain the role of platelets in haemostasis.
7. Explain the indications of blood transfusion. Add a note on mismatched blood transfusion.
8. Explain the cardiovascular adjustments during moderate exercise.
9. Describe the role of lymphocytes in immunity.
