

**Q.P. CODE: 102016**

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

**First Year B.Sc Perfusion Technology Degree Examinations, September 2015**

**Physiology**

**Time: 3 Hrs**

**Max. Marks:80**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2×10=20)**

1. Define erythropoiesis. Discuss the stages and the factors influencing erythropoiesis  
(2+5+3=10)
2. Enumerate the parts of nephron with the help of a labeled diagram and explain the concentration mechanisms of urine done by the kidney.  
(2+3+5=10)

**Short notes:**

**(6×5=30)**

3. Jugular venous pressure waves
4. Conducting system of heart
5. Excitation contraction coupling in a skeletal muscle
6. Transport of oxygen in the blood
7. Properties of sensory receptor
8. Uterine changes in menstrual cycle

**Answer briefly:**

**(10×3=30)**

9. Hering- Bruer reflex
10. Artificial kidney
11. Myxoedema
12. Enterohepatic circulation
13. Iris
14. Functions of cerebellum
15. Actions of testosterone
16. Sarcomere
17. Paced cell volume
18. Anticoagulants

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