

Q.P. CODE: 102016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary Examinations,
February 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
