

**Q.P. CODE: 001210**

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

**First Year B.Sc Nursing Degree Supplementary Examinations, April 2012**

**Physiology**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essays:**

**(2x10:20)**

1. Define cardiac output. Discuss the factors regulating stroke volume. What is cardiac index. (2+6+2=10) ,
2. Define hypoxia and name the types. Describe anaemic hypoxia. (1+2+7=10)

**Short notes:**

**(7x5:35)**

3. Functions of plasma proteins.
4. Hormones regulating blood calcium.
5. Differences between monosynaptic and polysynaptic reflexes.
6. Factors regulating glomerular filtration rate
7. Functions of liver.
8. Tests of ovulation.
9. Refractive errors.

**Answer briefly:**

**(10x2=20)**

10. Platelets
11. Surfactant
12. Sarcomere
13. Cyanosis
14. Jaundice
15. Copper - T
16. Arterial pulse
17. Salivary juice
18. Erythrocyte sedimentation rate
19. Juxta glomerular apparatus.

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