

Q P Code:1210

Reg. No: .....

**First Year BSc Nursing Degree Examination - August 2011**

**PHYSIOLOGY**

**Time: 3 Hours**

**Maximum Marks: 75**

- Answer all questions
- Draw diagrams wherever necessary

**Long essay:**

1. What is cellular immunity.  
Describe the mechanism of cellular immunity.  
Add a note on acquired immune deficiency syndrome (2x10=20)
2. Describe menstrual cycle and its hormonal basis. (2+4+4=10)  
(5+5=10)

**Write short notes on:**

3. Functions of hypothalamus.
4. Neuromuscular transmission.
5. Mechanism of urine formation.
6. Oxygen dissociation curve.
7. Phases of gastric secretion.
8. Normal electrocardiogram.
9. Milk ejection reflex. (7x5=35)

**Write briefly on:**

10. Bohr effect.
11. Hypothermia
12. Acromegaly
13. Bile salts
14. Anti coagulants
15. Primary taste sensations
16. Tetany
17. Pernicious anaemia
18. Aqueous humor
19. Synapse (10x2=20)

\*\*\*\*\*