

**Q.P. CODE: 102010**

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

**First Year B.Sc Nursing Degree Supplementary Examinations  
November 2017**

**Physiology**

**(2010 Scheme)**

**Time: 3 Hrs**

**Max. Marks: 75**

- Answer all questions
- Draw diagram wherever necessary

**Essays: (2×10=20)**

1. Describe the ovarian and uterine changes occurring during a normal menstrual cycle. Mention the important hormones involved in each phase. What is LH surge. (4+4+2)
2. Explain the various lung volumes and capacities with the help of a diagram. Add a note on vital capacity. (4+4+2)

**Short notes: (7×5=35)**

3. Functions of CSF
4. Parkinson's disease
5. Anti-diuretic hormone.
6. What are the pancreatic enzymes. Describe any one in detail.
7. Describe the eosinophil with the aid of a diagram.
8. Enumerate the hormones of anterior pituitary gland.
9. Oxygen dissociation curve

**Answer briefly: (10×2=20)**

10. Draw and label a normal ECG tracing.
11. Myasthenia gravis
12. Functions of skin
13. Primary taste sensations
14. Composition of saliva
15. Gastric juice
16. Functions of testosterone
17. Myopia
18. Cretinism
19. Oral contraceptive pills in the female

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