

**Q.P. CODE: 112010**

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

**First Year B.Sc Nursing Degree Supplementary Examinations  
February 2025**

**Physiology**

**(2016 Scheme)**

**Time: 3 Hrs**

**Max. Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

**Essay:**

**(12)**

1. Define hemostasis. Describe the intrinsic and extrinsic pathway of blood coagulation.  
Name any two anticoagulants. (1+5+4+2)

**Short essays:**

**(2x7=14)**

2. Name the visual receptors. Draw a neat labelled diagram of the visual pathway. (2+5)
3. Describe the different stages of deglutition. (2+3+2)

**Short notes:**

**(5x5=25)**

4. Neuromuscular transmission
5. Ovarian cycle
6. Regulation of cardiac output
7. Oxygen transport
8. Functions of growth hormone

**Answer briefly:**

**(3x4=12)**

9. Functions of kidney
10. Functions of basal ganglia
11. Conduction system of the heart

**Differentiate between:**

**(3x4=12)**

12. Passive transport and Active transport
13. Skeletal muscle and Cardiac muscle
14. Hepatic bile and Gall bladder bile

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