

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
