

Q.P. CODE: 112010

Reg. No:

First Year B.Sc Nursing Degree Supplementary Examinations July 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. Describe the pyramidal tract with the help of a diagram. Add a note on functions of cerebellum. (7+2+3)

Short essays:

(2x7=14)

2. Define glomerular filtration rate. What is the normal value in an adult male. What are the factors affecting glomerular filtration rate. (2+1+4)
3. Discuss the neural regulation of respiration.

Short notes:

(5x5=25)

4. Intrinsic pathway of blood coagulation.
5. Cardiac output.
6. Sodium reabsorption.
7. Ovarian cycle.
8. Actions of insulin.

Answer briefly:

(3x4=12)

9. Cell mediated immunity.
10. Visual pathway.
11. Regulation of gastric juice.

Differentiate between:

(3x4=12)

12. First and Third heart sounds.
13. Red blood cell and White blood cell.
14. Actions of parathyroid hormone and Calcitonin.
