

Q.P. CODE: 112010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
February 2026**

**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. Explain the menstrual cycle in detail. Add a note on contraception. (8+4)

Short essays: (2x7=14)

2. Counter current mechanism in kidneys.
3. Hormones affecting calcium homeostasis.

Short notes: (5x5=25)

4. Active transport.
5. Composition and functions of pancreatic juice.
6. Surfactant.
7. Short term regulation of blood pressure.
8. Discuss the molecular basis of skeletal muscle contraction.

Answer briefly: (3x4=12)

9. ECG.
10. Reflex arc.
11. Plasma proteins.

Differentiate between: (3x4=12)

12. Glucocorticoids and Mineralocorticoids.
13. ABO blood group system and Rh system.
14. Active transport and Diffusion.

CORRECTION / NO-CORRECTION FILE
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QPCODE: 112010

Dated: 11-02-2026

Question No.4

Replaced with "Synapse."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS