

Q.P. CODE: 112010

Reg. No:

**First Year B.Sc Nursing Degree Regular/Supplementary Examinations
May 2022**

**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 lung volumes and capacities with the help of a diagram. Explain the neural regulation of respiration. (7+5)

Short essays: (2x7=14)

2. Explain the functions of cerebellum and basal ganglia
3. Give the normal plasma calcium level. List the functions of ionic calcium. Explain the actions of hormones which regulates plasma calcium level. (1+2+4)

Short notes: (5x5=25)

4. Normal electrocardiogram
5. Role of proximal tubule in glucose handling
6. Deglutition
7. Haemostasis
8. Mechanism of neuromuscular transmission

Answer briefly: (3x4=12)

9. Functions of pancreatic juice
10. Tests for ovulation
11. Functions of skin

Differentiate between: (3x4=12)

12. Spermatogenesis and Oogenesis
13. Active transport and facilitated diffusion
14. Diabetes mellitus and Diabetes insipidus
