



**First Year B.Sc Nursing Degree Regular/Supplementary Examinations
August 2021**

**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 mechanism of acid (HCl) secretion in stomach. What are the factors affecting the secretion. (8+4)

Short essays: (2x7=14)

2. Discuss about the origin, course and functions of pyramidal tract. (2+3+2)
3. Define immunity. What are the types of immunity. Describe briefly about innate immunity. (2+2+3)

Short notes: (5x5=25)

4. Draw a normal ECG and mark the waves. Mention the clinical uses of ECG.
5. The stages of deglutition.
6. What is the normal body temperature. Describe briefly about its regulation.
7. Functions of thyroid hormones.
8. Juxta-glomerular apparatus.

Answer briefly: (3x4=12)

9. Functions of surfactant
10. Innervation of urinary bladder
11. Organ of Corti

Differentiate between: (3x4=12)

12. Menarche and menopause
13. Systolic BP and Diastolic BP.
14. Cortical nephrons and Juxta-medullary nephrons
