

Q.P. CODE: 112010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
January 2024**

**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 erythropoiesis. Mention the site of formation of erythropoiesis in adults. Describe the stages of erythropoiesis and the factors affecting it. (1+1+6+4)

Short essays: (2x7=14)

2. Name the hormones of the anterior pituitary. Describe the functions of growth hormone (3+4)
3. Mention the composition of gastric juice. Describe the regulation of gastric juice secretion (2+5)

Short notes: (5x5=25)

4. Functions of CSF (Cerebrospinal Fluid). Add a note on Lumbar Puncture (LP)
5. Excitation-contraction coupling in skeletal muscle
6. Neural regulation of respiration
7. Describe the short term regulation of blood pressure
8. Functions of cell membrane

Answer briefly: (3x4=12)

9. Actions of oestrogen
10. Draw and label a normal ECG. List two uses of ECG
11. Micturition reflex

Differentiate between: (3x4=12)

12. Myopia and Hypermetropia
13. Isometric and Isotonic muscle contraction
14. First and Second heart sounds
