

Q.P. CODE: 112010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
October 2023**

**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. Discuss the stages of erythropoiesis and the factors affecting it.
Add a note on anemia. (1+5+4+2)

Short essays: (2x7=14)

2. Define Cardiac output. What is its normal value. Describe the factors regulating cardiac output. (1+1+5)
3. Trace the visual pathway and the effects of lesion at various levels in the pathway. (4+3)

Short notes: (5x5=25)

4. Functions of cell membrane
5. Neuromuscular transmission
6. Cerebrospinal fluid
7. Spinothalamic pathways.
8. Functional Residual Capacity

Answer briefly: (3x4=12)

9. Functions of liver
10. Cystometrogram
11. Functions of testosterone

Differentiate between: (3x4=12)

12. Isometric and Isotonic muscle contraction
13. Humoral immunity and Cell mediated immunity
14. Pituitary dwarf and Thyroid dwarf
