

Q.P. CODE: 112010

Reg. No:

**First Year B.Sc Nursing Degree Supplementary Examinations
November 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. Define blood pressure. Give its normal value. Explain the factors influencing blood pressure. Add a note on heart sounds. (1+1+6+4)

Short essays: (2x7=14)

2. Describe the pathway for pain with a neat labelled diagram. Add a note on referred pain (4+3)
3. Explain in detail stages of erythropoiesis and factors affecting it. (3+4)

Short notes: (5x5=25)

4. Actions of glucocorticoids
5. Contents and functions of middle ear
6. Composition and functions of bile
7. Oxygen transport
8. Role of kidneys in water reabsorption

Answer briefly: (3x4=12)

9. Small intestinal motility
10. Role of skin in thermoregulation
11. Functions of cerebrospinal fluid

Differentiate between: (3x4=12)

12. Role of estrogen and progesterone in ovarian cycle
13. Synapse and neuromuscular junction
14. Osmosis and simple diffusion
