

## 2010 Scheme

**Q.P. CODE: 102010**

**Reg. No: .....**

### **First Year B.Sc Nursing Degree Supplementary Examinations November 2022**

#### **Physiology**

**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*

**Essays:**

**(2x10=20)**

1. Describe in detail the mechanism of neuromuscular transmission. Add a note on myasthenia gravis (8+2)
2. Define synapse. What are the properties of synapse. (2+8)

**Short notes:**

**(7x5=35)**

3. Phases of cardiac cycle.
4. Hazards of mismatched blood transfusion.
5. Differentiate between extracellular fluid volume and intracellular fluid volume.
6. Composition and functions of gastric juice.
7. Neural regulation of respiration.
8. Factors influencing spermatogenesis.
9. Mechanism of water reabsorption by kidney.

**Answer briefly:**

**(10x2=20)**

10. Dead space.
11. Lumber puncture.
12. Phagocytosis.
13. Two functions of liver.
14. Glaucoma.
15. Cretinism.
16. Functions of parathyroid hormone.
17. Tests for pregnancy.
18. Hypertension.
19. Taste pathway.

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