

# **2012 Scheme**

**Q.P.Code: 112014**

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

## **First Year BPT Degree Supplementary Examinations December 2024**

### **Physiology**

**Time : 3 hrs**

**Max marks : 100**

- *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 table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x14=28)**

1. Define cardiac output. Write its normal value. Describe the factors regulating cardiac output.
2. Classify synapses. Explain in detail the structure of synapse and impulse transmission across it with the help of a diagram. Add a note on the properties of synapse.

**Short notes:**

**(4x8=32)**

3. Visual pathway and effects of lesion at various levels.
4. Describe the neural regulation of respiration.
5. Describe the molecular basis of skeletal muscle contraction.
6. Explain the physiological actions of insulin

**Answer briefly:**

**(10x4=40)**

7. List the functions of bile.
8. Hypocalcemic tetany.
9. Functions of cerebellum.
10. How the body temperature is maintained within the normal range?
11. Describe micturition reflex.
12. Spermatogenesis and factors affecting it.
13. T lymphocytes.
14. Parkinsonism.
15. Heart sounds.
16. Functions of placenta.

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