

# **2012 Scheme**

**Q.P.Code: 112014**

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

**First Year BPT Degree Supplementary Examinations February 2022**

## **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. Classify sensory receptors. Describe properties of receptors.
2. Draw neat labeled diagram of a spirogram. Define the various lung volumes with their normal value.

### **Short notes:**

**(4x8=32)**

3. Excitation contraction coupling in skeletal muscle.
4. Explain the transport of oxygen in blood.
5. Functions of hypothalamus.
6. Name the primary taste sensations. Describe the taste pathway

### **Answer briefly:**

**(10x4=40)**

7. Baroreceptor reflex.
8. Functions of WBC.
9. Milk ejection reflex
10. Composition and functions of CSF.
11. Draw a neat labeled diagram of lead II ECG. Mark the waves and intervals.
12. Functions of placenta.
13. Name the blood groups under ABO system. State Landsteiner's law.
14. Actions of growth hormone. Add a note on gigantism.
15. Fast pain pathway. Add a note on referred pain.
16. Functions of platelets.

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