

# **2012 Scheme**

**Q.P.Code: 112014**

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

## **First Year BPT Degree Supplementary Examinations June 2023**

### **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 a Motor Unit. Explain the role of motor unit in skeletal muscle contraction.
2. Define Cardiac Cycle. Explain the different phases of cardiac cycle with their duration.

#### **Short notes:**

**(4x8=32)**

3. Explain the production and circulation of CSF and mention the functions of CSF.
4. Draw a normal Spirogram. Explain the normal lung volumes and capacities.
5. Explain Micturition Reflex in detail.
6. What is a Synapse. Mention the Classification of Synapse and discuss the properties of Synapse.

#### **Answer briefly:**

**(10x4=40)**

7. Define Puberty and list the features of puberty.
8. Define Hypoxia and mention the effects of Hypoxia.
9. Functions of Cerebellum.
10. Accommodation Reflex.
11. Strength Duration Curve.
12. All or None Law.
13. What is saltatory conduction
14. Enumerate the functions of Skin.
15. What is GFR. Give its normal value.
16. Define Muscle Tone and mention the higher centers controlling it.

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