

**(Time: Three Hours)**

**Marks 60**

Please check whether you have got the right question paper.

N.B. 1. All question are compulsory

Q1. A) Write an essay on muscle Structure system (20)

**OR**

B) Write an essay on Human Nervous System?

Q2. Write Short Notes on **any four** (20)

- i) Autism
- ii) Balancing brain (cerebellum)
- iii) Vestibular system
- iv) Right Brain
- v) Left Brain
- vi) Types of muscle contraction

Q3. Match the Column. (10)

- |                          |   |
|--------------------------|---|
| a) Isometric Contraction | i) Controls the same side of the body       |
| b) Isotonic Contraction  | ii) Change in the length of the muscle      |
| c) Balancing Brain       | iii) Controls the opposite side of the body |
| d) Higher Brain          | iv) Perceives gravity                       |
| e) Vestibular System     | v) Change in girth of the muscle            |

Q4. Write True or False (10)

- i) Vestibular system is stimulated by glawty
- ii) Right brain has the centre for speech
- iii) Change of the length in the muscle is known as Isometric contraction.
- iv) Stabilizers are strong muscles
- v) Mobilizers are red in colour.
- vi) Creativity and imagination is from left side of the brain
- vii) Balancing brain controls the opposite side of body.
- viii) Voluntary movements are planned by balancing brain.
- ix) Dance is the best therapy for learning Disability children.
- x) Knee joint is ball and socket type of joint.

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