Sl.No : M21343 **Course Code: 2240202**

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University), SALEM

M.P.T. DEGREE EXAMINATION – April 2019
Second Semester

EXERCISE PHYSIOLOGY AND ELECTROPHYSIOLOGY

Time: Three hours Maximum : 100 marks

I. Write short answers on: **(10 x 2 = 20)**

1. Shunt Muscle
2. Lactate threshold
3. METs
4. Second wind
5. Anaerobic power
6. Needle electrodes
7. Motor unit
8. Jaw jerks
9. Metabolic myopathy
10. Evoked potential.

II. Write short notes on: **(8 x 5 = 40)**

11. Enlist the cardio respiratory adaptation measures after endurance training.
12. Describe the concept of electromechanical delay.
13. Correlate altitude and training.
14. Discuss the factors governing fuel for muscular exercises.
15. Explain the quantitative methods in EMG.
16. Compare and contrast H wave and F reflex.
17. Discuss the EMG changes in Lambert Eaton Myasthenia Syndrome.
18. Enumerate the use of Motor unit Action Potential in diagnosis and prognosis.

III. Write essays on: **(2 x 20 = 40)**

19. Explain the Standard Nerve conduction study procedures for a motor and sensory nerve.
20. Differentiate Doping and Ergogenic aids in detail. Add a note on the significance of WADA.

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