

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

**M.P.T. DEGREE EXAMINATION – April 2021
Second Semester**

EXERCISE PHYSIOLOGY AND ELECTROPHYSIOLOGY

Time: Three hours

Maximum : 100 marks

I. Write short answers on:

(10 x 2 = 20)

1. Detraining.
2. Endurance.
3. VO₂ max .
4. Fatigue.
5. Shuttle walk test .
6. Nerve conduction velocity.
7. Types of Pheripheral nerve injury.
8. Rheobase & chronaxie.
9. Latency.
10. Compound Muscle Action potential(CMAP).

II. Write short notes on:

(8 x 5 = 40)

11. Acclimatization
12. SAID & FITT principles.
13. Cardiovascular adaptation following Aerobic training.
14. Ergogenic Aids.
15. Electrical test for Denervated & Reinnervated Muscle.
16. F wave and Blink reflex.
17. Variables affecting Nerve conduction studies.
18. Somatosensory evoked potentials.

III. Write essays on:

(2 x 20 = 40)

19. Define EMG & Explain types of electrodes, recording technique and its clinical implication in neurological disorders.
20. Explain principles and Methods of Exercise training of athletes.