

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

**M.P.T. DEGREE EXAMINATION – November 2019
Fourth Semester**

PT IN ORTHOPAEDICS

Time: Three hours

Maximum : 100 marks

I. Write short answers on:

(10 x 2 = 20)

1. SOMI brace.
2. Floor reaction orthosis.
3. Dementia.
4. Boyd's amputation.
5. Arthroplasty.
6. Knuckle bender splint.
7. Types of orthotic ankle joints.
8. Pathological fracture.
9. Volkmann's ischemic contracture.
10. Claw hand.

II. Write short notes on:

(8 x 5 = 40)

11. Pain gate theory.
12. Parts of a shoe.
13. Suspension systems in lower limb prosthesis.
14. 'Rule of Nine' in burns.
15. Positional release techniques.
16. Spasticity management.
17. Osteoporosis.
18. Scoliosis.

III. Write essays on:

(2 x 20 = 40)

19. A 25 Years old house wife met with a fire accident in the kitchen and sustained 60% burrs. Discuss in detail the management of this patient.
20. How will you rehabilitate a 25 years old mason who has become right below knee amputee, following a crush injury in the RTA?