

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**POST GRADUATE DIPLOMA IN ORTHOPAEDICS
EXAMINATION – July 2020**

PART II - PAPER II

ORTHOPAEDICS AND REHABILITATION

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions
Draw suitable diagram wherever necessary

1. Describe the normal gait cycle. Discuss the mechanism of crouch gait in cerebral, palsy and its treatment . (30)
2. a) Discuss the clinical features, investigation and management of osteosarcoma. (20)
- b) Describe the biomechanism of hip joint. Discuss the mechanism of trendelenburg. Sign and gout. (20)
3. Write Short notes on: (6 x 5 = 30)
 - a) Thomas's splint.
 - b) SACH foot.
 - c) Allograft in orthopaedics.
 - d) Functional cast bracing.
 - e) Classification of peripheral nerve injury.
 - f) Bed sore.
 - g) Pathogenesis of tuberculosis of hip.
 - h) Rotator cuff arthropathy.
