

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

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

PART I - PAPER I

BASIC SCIENCES - ORTHOPAEDICS

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

Draw suitable diagram wherever necessary

1. Describe the course of radial nerve and muscles supplied by it. What are the causes of radial nerve palsy. Discuss the treatment of low radial nerve palsy. (30)
2. a) How is purine metabolised in the body. Describe the clinical features, investigations and treatment of Gouty arthritis. (20)
- b) Describe the anatomy of the shoulder joint with emphasis on its stability. Outline the treatment of anterior instability of the shoulder joint. (20)
3. Write Short notes on: (6 x 5 = 30)
 - a) Local hydrocortisone in orthopaedics.
 - b) Radiology of osteosarcoma.
 - c) Synovial fluid and its pathology.
 - d) Patho anatomy of club foot.
 - e) Tourniquet in orthopaedics.
 - f) Layers of growth plate and its affections.
 - g) Blood supply of the bones in general.
 - h) Pathogenesis of acute haematogenous osteomyelitis.
