

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

M.S. DEGREE EXAMINATION - October 2018

ORTHOPAEDICS

PART II - PAPER III : RECENT ADVANCES IN ORTHOPAEDICS

Time: Three hours

Maximum : 100 Marks

Answer ALL questions

SECTION - A

Write essays on :

(1 x 20 = 20)

1. Describe the surgical techniques in the minimal access anterior approach to the hip joint with a note on its advantages and disadvantages over posterior approach 1A. classification of periprosthetic fractures of knee and its management

Write short notes on :

(5 x 6 = 30)

2. Navigation in orthopaedics
3. Bio- degradable implants
4. Autologous chondrocyte implantation
5. Masquelet techniques
6. Damage Control Orthopaedics (DCO)
 - (a) Proximal fibular osteotomy in medial compartment osteoarthritis of knee
 - (b) Antibiotic coated nails

SECTION - B

Write essays on :

(1 x 20 = 20)

7. Uncemented total hip replacement in young adults 7A. Classification of spondylolisthesis, recent trends and management of spondylolisthesis

Write short notes on :

(5 x 6 = 30)

8. Bone graft supplements
9. Platelet rich plasma in orthopaedics
10. Limb salvage surgeries
11. Isotope bone scan
12. Hybrid fixation (a) Pie crusting technique (b) Hip resurfacing arthroplasty