

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

M.S. DEGREE EXAMINATION - May 2019

ORTHOPAEDICS

PART- II – PAPER- III: RECENT ADVANCES IN ORTHOPAEDICS

Time: Three hours

Maximum: 100 marks

(Answer **ALL** questions)

Draw suitable diagrams wherever necessary

SECTION – A

Write essays on:

(1 x 20 = 20)

1. Describe the surgical technique in the minimal access anterior approach to the hip joint with a note on its advantages and disadvantages over posterior approach.

Write short notes on:

(5 x 6 = 30)

2. Variable angle locking plates
3. Biomarkers in osteoarthritis
4. Plaster cast syndrome
5. Gene expert
6. Mosaicplasty : a) Bone transport b) Bone bank.

SECTION – B

Write essays on :

(1 x 20 = 20)

7. Classification of spondylolisthesis, recent trends and management of spondylolisthesis.

Write short notes on:

(5x 6 = 30)

8. Femoro acetabular impingement
9. Sandwich Technique in GCT
10. Bone banking
11. Damage control orthopaedics
12. Cruciate retaining Vs cruciate sacrificing TKR
 - a) Surface replacement
 - b) Navigation surgeries.