

**DIPLOMA IN ORTHOPAEDICS : SUMMER - 2018**  
**SUBJECT: PAPER – I : BASIC SCIENCES APPLIED ORTHOPAEDICS**

Day: **Saturday**  
Date: **02/06/2018**

**S-2018-3465**

Time: **2.00 P.M. TO 5.00 P.M**  
Max Marks. 100

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat diagrams **WHEREVER** necessary.
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**Q.1** Describe in detail synovial fluid analysis. How to differentiate various types of arthritis based on analysis. (15)

**Q.2** Describe surgical anatomy of Rotator cuff of shoulder and pathological conditions associated with it. (15)

**Q.3** Write **ANY SEVEN** of the following (70)

- a) Discuss management of pathological urinary bladder
- b) Enumerate causes of recurrent dislocation of patella and management.
- c) Discuss orthopedic manifestations and treatment of hyperparathyroidism.
- d) Describe calcium metabolism and treatment of Renal Rickets.
- e) Enumerate causes of wrist drop, management high radial nerve palsy.
- f) Define gait. Discuss various types of gaits seen in hip pathology.
- g) Define gout. Describe in brief clinical features, diagnosis and management.
- h) DVT Prophylaxis in orthopaedics.