

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Post Graduate Diploma Degree Examination – MAY-2019**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**DIPLOMA IN ORTHOPAEDICS**  
**Basic science as applied to Orthopaedics**  
**PAPER – I**  
**Q.P. CODE: 7191**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary.

**Answer all the Questions**

**10 x 10 = 100 Marks**

1. Define shock. Discuss the Haemodynamics in an adult with Haemorrhagic shock and its management in detail.
2. Discuss the pathological anatomy, clinical features and recent trends in the management of spondylolisthesis – Gr IV – Lumbar 4 over 5 in an adult.
3. Fluorosis (Skeletal).
4. Anterior cruciate ligament.
5. Interferential therapy.
6. Mycobacterium tuberculosis.
7. Vitamin – D.
8. Bone scan.
9. Form and function of the Intervertebral disc.
10. Principles in Bone Biopsy.

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