

QP Code:101181

Reg. No.:.....

**P.G. Diploma Supplementary Examinations in Orthopaedics (D.Ortho)  
December 2020**

**Paper I - Basic Sciences Applied to Orthopaedics & Traumatology**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(20)**

1. Discuss the metabolism of vitamin D and specify the role it plays in calcium metabolism. What are the signs and symptoms of vitamin D deficiency.

**Short essays:**

**(8x10=80)**

2. Principle of a lag screw.
3. Endocrine responses in polytrauma.
4. Bone scan.
5. Hyponatraemia in orthopaedic patients.
6. Levels of evidence in clinical research.
7. Floor reaction orthosis.
8. Myositis ossificans.
9. Antero-lateral instability of knee.

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