

QP Code: 101154

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Orthopaedics
(MS) May 2021**

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*

Essay:

(20)

1. Discuss the factors that influence bone healing after a fracture. What are the causes of non-union. Describe the radiological features.

Short Essays:

(8x10=80)

2. Blood supply of talus
3. Structure of growth plate
4. Anatomy of flexor tendons and their sheaths in the index finger
5. Anatomy of the brachial plexus
6. Role of radiograph in diagnosis of causes of backache
7. Vitamin D metabolism
8. Fat embolism syndrome
9. Pathophysiology of acute Volkmann's ischemia of the forearm
