

ORTHOPAEDICS
PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

ORTHO/D/18/27/I

IMPORTANT INSTRUCTIONS

- This question paper consists of 10 questions divided into Part "A" and part "B", each part containing 5 questions.
- Answers to questions of part A and part B are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets of Part A and Part B are not to be tagged together.
- Part A and Part B should be mentioned only on the covering page of the respective answer sheets.
- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write Short notes on:

PART A

1. Define growth plate. Describe the zones of growth plate with diagram. Discuss the clinical significance of these zones? 2+4+4
2. Describe the types of fracture healing. Describe the stages of secondary fracture healing. Enumerate the factors affecting the fracture healing. 2+5+3
3. Describe the investigations and their uses in musculoskeletal system. 3+3+4
 - a) DEXA Scan.
 - b) Bone scan.
 - c) Ultrasonography.
4. Define allograft. Describe the types of allograft. Give salient features of each type. 2+3+5
5. Pathology, clinical features and management of primary hyperparathyroidism 3+3+4

P.T.O