

ORTHOPEDICS

PAPER-I

TIME: 3 HOURS  
MAX. MARKS: 100

ORTHO/J/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. a) Stages of fracture healing. 5+5  
b) Describe various patterns of fracture healing after intramedullary nailing, locked plates and dynamic compression.
2. a) What is gout? 2+3+5  
b) Differences between gout and pseudo gout.  
c) Management of gout in a middle aged woman.
3. a) Write the extensor mechanism of finger with its diagram. 3+4+3  
b) Describe in brief development of proximal end femur.  
c) Blood supply of femoral head.
4. a) Describe calcium metabolism 3+3+4  
b) Skeletal and radiological changes in hyperparathyroidism.  
c) Principles and indications of Teriparatide in osteoporosis.
5. a) What is Complex Regional Pain Syndrome (CRPS)? 2+4+4  
b) Describe its type and stages.  
c) Diagnostic criteria and management of CRPS.

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PAPER-I

**Please read carefully the important instructions mentioned on Page '1'**

- Answers to questions of Part A and part B are to be strictly attempted in separate answer sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

**PART B**

- |     |   |       |
|-----|---|-------|
| 6.  | a) Anatomy of arches of foot.   | 3+3+4 |
|     | b) What is posterior tibial tendon dysfunction?   |       |
|     | c) Write stages and management of posterior tibial tendon dysfunction.                        |       |
| 7.  | a) Histological zone of growth plate.   | 4+3+3 |
|     | b) Classification of physeal injury in children.  |       |
|     | c) Management of physeal injury in children.  |       |
| 8.  | a) What is limb length discrepancy?   | 3+3+4 |
|     | b) Classification of limb length discrepancy.   |       |
|     | c) Management of limb length discrepancy due to congenital pseudoarthrosis tibia in children. |       |
| 9.  | a) Define entrapment syndrome.  | 2+2+6 |
|     | b) Enumerate various entrapment syndromes.  |       |
|     | c) Clinical features and management of carpal tunnel syndrome.                                |       |
| 10. | Etiopathogenesis, diagnosis and management of gas gangrene in lower extremity.                | 3+3+4 |

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