

**ORTHOPAEDICS**  
**PAPER-II**

TIME: 3 HOURS  
MAX. MARKS: 100

ORTHO/J/19/27/II

**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) Surgical reduction of fractures. 5+5  
b) Absolute and relative stability in the treatment of fractures.
2. a) Outline the principles of external fixation. 3+4+3  
b) Modular and hybrid external fixator and Taylor spatial frame.  
c) Dynamization of external fixator.
3. a) Causes and classifications of non-union of fractures. 5+5  
b) Principles of management of infected non-union of fractures.
4. Clinical features and assessment of floating knee and principles of its management. 3+3+4
5. a) Early and late onset paraplegia in spinal tuberculosis. 3+4+3  
b) Surgical approaches for Pott's paraplegia.  
c) Stages in the tuberculosis of hip joint.

**P.T.O.**

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**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) General principles and technique of application of plaster cast.  | 4+3+3   |
|     | b) Advantages and disadvantages of plaster of Paris cast.  |         |
|     | c) Functional cast brace.  |         |
| 7.  | a) Etiology and patho-anatomy of old unreduced dislocation of shoulder joint.                                | 3+(3+4) |
|     | b) Clinical features and management of posterior dislocation of shoulder joint.                              |         |
| 8.  | a) Classify nerve injuries.  | 5+5     |
|     | b) Significance and interpretation of electro-diagnostic studies in nerve injuries.                          |         |
| 9.  | Discuss the various conventional and modern methods of management of congenital pseudarthrosis of the tibia. | 5+5     |
| 10. | a) Volkmann splint.  | 3+3+4   |
|     | b) Phemister bone grafting.  |         |
|     | c) C – clamp.  |         |

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