

ORTHOPAEDICS**PAPER-IV**

TIME: 3 HOURS

MAX. MARKS: 100

ORTHO/J/19/27/IV

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) Dual mobility in total hip arthroplasty. 5+5
b) Orthobiologics in Orthopedics.
2. a) Indications and principles of revision total hip surgery. 5+5
b) Discuss the different types of acetabular defects and management.
3. Current concepts in the treatment of clavicle fractures. 10
4. Unreconstructable fractures in the elderly and discuss the management options. 5+5
5. Principles of early total care and damage control Orthopedics. 5+5

P.T.O.

ORTHOPAEDICS**PAPER-IV**

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) 3D and 4D printing in Orthopedics. | 4+3+3 |
| | b) Reamer irrigation aspiration system. | |
| | c) Current concepts in the treatment of osteomyelitis. | |
| 7. | a) Patient specific instrumentation in arthroplasty. | 4+3+3 |
| | b) V A C therapy. | |
| | c) Fixation devices in cruciate ligament reconstruction. | |
| 8. | a) Role of bone marrow aspirate in Orthopedic trauma. | 5+5 |
| | b) Minimal invasive spine surgery. | |
| 9. | Current concepts of classification and management of thoracolumbar spine fractures. | 10 |
| 10. | a) Tranexamic acid in Orthopedic surgery. | 3+3+4 |
| | b) Principles of volar locking plate. | |
| | c) Robotic surgery in Orthopaedics. | |
