

ORTHOPAEDICS
PAPER-IVTIME: 3 HOURS
MAX. MARKS: 100

ORTHO/J/20/27/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) Principle of laminar air flow and its application in operation room. 5+5
b) EUSOL.
2. Transport protocol of completely dis-membered finger and limb from site of injury to hospital. 10
3. a) Fracture fixation using shape-memory (Nitinol) staples. 5+5
b) Mechanism of action of various anticoagulants and precautions required during their use.
4. a) Principle & mechanism of action of a proximal femoral nail in the treatment of proximal femoral fractures. 4+3+3
b) How is it different from extra-medullary implants in the same fractures?
c) Write its complications and how to avoid them.
5. a) Tillaux fracture. 5+5
b) Complications of lateral condylar fractures in children.

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) Classify gunshot wounds. 4+6
b) Brief management outline for a high velocity gunshot wound to thigh in an adult male with fracture shaft femur.
7. a) Etiopathogenesis of hand knee gait. 5+5
b) Floor reaction orthosis.
8. a) Enumerate modifiable risk factors to reduce 5+5
prosthetic joint infection.
b) Briefly outline indications & principles of Single stage Exchange arthroplasty for prosthetic joint infection.
9. a) Classify Tibial Plafond fractures. 4+4+2
b) Outline the principles of managing these cases.
c) Role of MIPO in such injuries.
10. a) Explain the concept of tension band plating with the help 5+5
of diagrams.
b) What is the center of rotation of angulation (CORA)? Draw a diagram to show how to calculate it?
