

**ORTHOPAEDICS****PAPER-I**

TIME: 3 HOURS  
MAX. MARKS: 100

ORTHO/D/20/27/I

**IMPORTANT INSTRUCTIONS**

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

**ORTHOPAEDICS****PAPER-I****PART - A**

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**Write short notes on:****PART - A**

1. Describe the stabilizers of the shoulder joint. Elaborate on the clinical tests for the instability of shoulder joint. 4+6
2. a) Classify surgical site infection (SSI). 4+6  
b) How will you manage SSI detected on fifth post-operative day after plate osteosynthesis?

**ORTHOPAEDICS****PAPER-I****PART - B**

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**Write short notes on:****PART- B**

3. Describe morphology of articular cartilage and changes that occur in articular cartilage in osteoarthritis. 5+5
4. a) Define bone remodeling. 3+3+4  
b) Distinguish between osteoporosis and osteopenia.  
c) Explain management protocol of osteoporotic vertebral fracture with a flow chart.

**ORTHOPAEDICS****PAPER-I****PART - C**

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**Write short notes on:****PART - C**

5. Describe the pathogenesis and management of gout. 4+6
6. Define neurogenic shock following spinal cord injury. Discuss in detail about the clinical methods to diagnose the level of spinal cord injury. 4+6

**ORTHOPAEDICS****PAPER-I****PART - D**

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**Write short notes on:****PART- D**

7. What is fat embolism syndrome? Discuss the clinical features, investigations, diagnosis and management of fat embolism syndrome. 2+(2+2+2+2)
8. a) What are the methods of doing biopsy from a suspected neoplastic lesion? 2+4+4  
b) Mention the histo-pathological features of osteosarcoma.  
c) Describe the pre-requisites for limb salvage surgery in a malignant tumour.

**ORTHOPAEDICS****PAPER-I****PART - E**

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Write short notes on:

**PART- E**

9. Describe hygiene policies for prevention of viral infection in Orthopaedic practice. Describe the management of needle-stick injuries. 5+5
10. a) Transfusion mismatch. 3+4+3  
b) Giant cell.  
c) Trendelenburg's test.