

ORTHOPAEDICS

PAPER – I

ORTHO/J/17/27/I

Time : 3 hours
Max. Marks : 100

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 questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.*
- *Answer sheet(s) 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 sheet(s).*
- *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) Define osteoporosis. 1+3+2+4
b) Enumerate various causes of osteoporosis.
c) Enumerate techniques for bone mass measurement.
d) Drug therapy available for osteoporosis.
2. a) What is renal osteodystrophy? 1+2+4+3
b) Enumerate its causes.
c) Its clinical and radiological features.
d) Management of renal osteodystrophy.
3. a) Role of Biofilm in implant infection in orthopedics. 5+5
b) Biomechanics and clinical uses of floor reaction orthosis.
4. a) Anatomy of rotator cuff. 4+(3+3)
b) Clinical tests to diagnose rotator cuff tears, and outline its management.
5. a) Nerve supply of urinary bladder. 5+5
b) Patho-physiology and management of autonomous bladder.

P.T.O.

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Please read carefully the important instructions mentioned on Page ‘1’

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- *Answers to questions of Part ‘A’ attempted in answer sheet(s) of Part ‘B’ or vice versa shall not be evaluated.*

PART B

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|-----|---|-------|
| 6. | a) Patho-physiology of compartment syndrome. | 3+3+4 |
| | b) Clinical signs of compartment syndrome. | |
| | c) Principles of management of compartment syndrome. | |
| 7. | a) What is Milwaukee Shoulder Syndrome? | 2+3+5 |
| | b) Its clinical signs and symptoms. | |
| | c) Its differential diagnosis and management. | |
| 8. | a) Pathophysiology of peripheral nerve regeneration following axonotmesis. | 5+5 |
| | b) Anatomy and contents of carpal tunnel with suitable diagram(s). | |
| 9. | a) Clinical signs and symptoms of a neglected Tendo-Achilles rupture in a middle aged man. | 5+5 |
| | b) Outline its management. | |
| 10. | a) Clinical and radiological features of aseptic loosening after cementless THA (Total hip arthroplasty). | 5+5 |
| | b) Classification of cavus deformity. | |
