

ORTHOPAEDICS

PAPER – I

ORTH/J/15/27/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.*

PART A

Write short notes on:

1. Pathology, clinical features, diagnosis and treatment of Rickets. 3+2+3+2
2. a) Structure of physis with suitable diagram(s). 7+3
b) Classify the physeal injuries.
3. Evidence based medicine. 10
4. Pathophysiology, diagnosis and management of fat embolism syndrome. 3+3+4
5. Role of Nuclear Scan studies in orthopedic practice. 10

P.T.O.

ORTHOPAEDICS

PAPER – I

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 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.*

PART B

Write short notes on:

- | | | |
|-----|---|-----------|
| 6. | a) Gait cycle. | 2+2+(3+3) |
| | b) List various types of gaits. | |
| | c) Features of antalgic and Trendelenberg gait. | |
| 7. | a) Synovial fluid analysis | 5+5 |
| | b) Wallerian degeneration | |
| 8. | a) Nerve conduction velocity. | 4+(2+2+2) |
| | b) Clinical features, diagnosis and treatment of carpal tunnel syndrome. | |
| 9. | a) Properties of bone graft. | 4+(2+2+2) |
| | b) Different types of bone grafts, bone graft substitute and their incorporation. | |
| 10. | a) Role of biofilm in implant infection. | 4+(2+2+2) |
| | b) Production, regulation and management of biofilm. | |
