ORTHOPAEDICS
PAPER – 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

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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.