

ORTHOPAEDICS

PAPER – IV

ORTHO/D/17/27/IV

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 end vertebrae & apical vertebrae in adolescent idiopathic scoliosis (AIS). 3+3+4
b. Describe two radiological methods to measure the curve in AIS.
c. Fusionless technique of correction in idiopathic scoliosis
2. a. Define osteoporosis 2+3+3+2
b. Enumerate lab tests & radiological tests to diagnose & prognosticate osteoporosis
c. Mechanism of action of Teriparatide in treatment of osteoporosis
d. Potential complication of Teriparatide
3. a. Orthopedic manifestations of HIV infections. 6+4
b. Universal guidelines for surgeons while operating a patient with proven HIV infection.
4. a. Stulberg classification in Perthes disease 3+2+5
b. What is hinged abduction?
c. Management principles /techniques for hinged abduction and coxa magna in healed Perthes disease.
5. a. What are synthetic bioabsorbable materials for orthopedic surgery? 6+2+2
b. Enumerate their advantages
c. Enumerate their complication & limitations

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