ORTHOPEDIC SURGERY

PAPER - IV

ORTHO/D/13/27/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 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

1.	What is bone cement? What are the indications and contra- indications for its usage? What are the methods of bone cementing? Mention its complications.	2+3+3+2
2.	Write short notes on: a) Spinal canal stenosis b) Ehlers Danlos syndrome	5+5
3.	Discuss physiology of normal articular cartilage and its biomechanical functions. Discuss the advances in articular cartilage tissue engineering and repair.	5+5
4.	Write short notes on: a) Highly cross linked polyethylene b) PET Scan	5+5
5.	Enumerate various methods for bone mineral measurement. Define its density in various conditions. Discuss management of osteoporotic fractures.	2+2+6