



ORTHOPAEDICS

PAPER – IV

ORTHO/J/14/27/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.

PART A

1. List the various generations of cementing techniques. Discuss their differences in brief. 10
2. Differentiate between parosteal and periosteal osteosarcoma in terms of pathology, clinical features, treatment and prognosis. 2+3+3+2
3. Describe in brief the current state of knowledge of use of stem cells in Orthopaedic practice. 10
4. Describe principles and clinical use of :- 5+5
 - a) PET Scan
 - b) Bone Scan
5. Discuss principles of limb salvage surgery in malignant bone tumour. List the indications and contraindications. 5+(2+3)