

**ORTHOPAEDICS**

PAPER – IV

**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**

- |     |   |       |
|-----|---|-------|
| 6.  | a. Role of posterior cruciate ligament (PCL) in total knee arthroplasty     | 4+3+3 |
|     | b. Benefits of PCL retention prosthesis                                     |       |
|     | c. Benefits of PCL substitution prosthesis                                  |       |
| 7.  | a. Principles of Gamma Camera   | 4+2+4 |
|     | b. Radioactive substance(s) used in Gamma Camera                            |       |
|     | c. Indications & use of Gamma Camera  |       |
| 8.  | a. Broad indications for hip arthroscopy                                    | 3+4+3 |
|     | b. Portal positioning for hip arthroscopy                                   |       |
|     | c. Potential complications of hip arthroscopy                               |       |
| 9.  | a. Causes of intoeing of gait   | 3+3+4 |
|     | b. Radiological investigations and their interpretation in intoeing of gait |       |
|     | c. Its management protocol  |       |
| 10. | a. Indications & contraindications of total elbow arthroplasty              | 5+2+3 |
|     | b. What are the complications of total elbow arthroplasty                   |       |
|     | c. Changes in design to reduce complications                                |       |

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