

ORTHOPAEDICS

PAPER – IV

ORTHO/APRIL/16/27/IV

Time : 3 hours
Max. Marks : 100

Important instructions:

- 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:

1. Recent advances in reduction of recurrence in giant cell tumor with emphasis on medical treatment. 10
2. a) Define tribology. 2+8
b) Recent advances in biomaterials in joint replacements to increase their longevity.
3. a) Biological agents used in treatment of rheumatoid arthritis. 5+5
b) Positron emission tomography in orthopaedics.
4. a) Expandable megaprosthesis. 5+5
b) Extracorporeal radiotherapy for bone sarcoma.
5. a) Differences between SACH foot and Jaipur foot. 5+5
b) Bionic hand.
6. a) Recent advances in the management of infected persistent wounds. 5+5
b) Medical treatment of osteoporosis.
7. a) Bone graft substitutes. 5+5
b) Brachytherapy.
8. a) Role of embolization in orthopaedics. 5+5
b) Recent advances in management of prolapsed intervertebral disc.
9. a) Congenital talipes equinovarus: Pirani scoring and Ponseti Plaster cast technique with reference to its patho-anatomy. 7+3
b) Role of ultrasonography in developmental dysplasia of the hip.
10. a) Meniscal repair. 5+5
b) Minimal access surgical management of acetabular fractures.
