

Assistant Professor (Orthopaedics) {PAPER-II (S.A.T.)}

T.B.C.: 2025/Ortho./II

Roll No. _____

Time: 03 hours

Maximum marks: 120

QUESTION PAPER SPECIFIC INSTRUCTIONS

Please read each of the following instructions carefully before attempting questions.

1. There are **EIGHT (08)** questions in TWO parts in this paper.
2. The candidate has to attempt **SIX (06)** questions by choosing at least **THREE (03)** questions from each part.
3. All questions carry equal marks. Each question will consist of 04 sub parts having 05 marks and word limit will be 150 words for each sub-part.
4. Write answers in legible handwriting. Illustrate your answers with suitable sketches, diagrams and figures, wherever considered necessary.
5. Each part of the question must be answered in sequence and in same continuation.
6. Attempts of the questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in answer booklet must be clearly struck off.

IMPORTANT NOTE: ANSWER ANY (03) THREE QUESTIONS FROM EACH PART.

USE OF MOBILE PHONES OR ANY OTHER COMMUNICATION DEVICES IS STRICTLY PROHIBITED IN THE EXAMINATION.

Part-I (60 marks)

Q. No. 1: **Answer the following questions:**

- a) Explain the role of BMP.
- b) Outline the Management of Osteoporosis and newer drugs.
- c) Describe the Management options for infected non-union.
- d) Outline the Middle path regime in T.B. spine.

Q. No. 2: **Answer the following questions:**

- a) Draw diagram of Fat embolism syndrome and explain its management.
- b) Management options in Ficat and Arlet type II AVN Hip.
- c) Neurogenic shock: - diagnosis and management.
- d) Explain the GCT variants.

Q. No. 3: **Answer the following questions:**

- a) Outline the role of PET in orthopaedics.
- b) Explain the principle of Tendon transfer.
- c) Write a short note on anatomy of shoulder joint.
- d) Explain the approach for septic Hip patient.

Q. No. 4: **Answer the following questions:**

- a) Write a short note on newer drugs in RA.
- b) Outline the Management option in grade II OA Knee.
- c) Outline the principles for biopsy procedure.
- d) Explain the Orthopaedic manifestations of Haemophilia.

Part-II (60 marks)

Q. No. 5: **Answer the following questions:**

- a) Write a short note on bearing surfaces in THR.
- b) Outline the Bone Banking.
- c) Explain the Compartment syndrome- diagnosis and management.
- d) Explain the management of AO Type C, D11- D12 injury.

Q. No. 6: Answer the following questions:

- a) Outline the Management options for recurrent dislocation shoulder.
- b) Outline the Osteotomies for DDH.
- c) Explain the Neurogenic bladder.
- d) Write a short note on Biomechanics of Knee joint.

Q. No. 7: Answer the following questions:

- a) Explain the Endoscopic spine surgery- Types and benefits.
- b) Describe the Laminar air flow.
- c) Explain the Step for TLIF in Spondylolisthesis L5-S1.
- d) Describe the Conservative management of PIVD.

Q. No. 8: Answer the following questions:

- a) Explain the Principles of Paediatric amputation.
- b) Describe the DVT prophylaxis in paraplegic patient.
- c) Outline the Triage in emergency.
- d) Outline the Management of Post-Surgery Radial Nerve palsy in shaft Humerus plating.
