

FINAL EXAM
JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

ORTHOPEDICS

PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

ORTHO/J/18/27/I

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 question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets 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 sheets.
- 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:

PART A

1. a) Stages of fracture healing. 5+5
b) Describe various patterns of fracture healing after intramedullary nailing, locked plates and dynamic compression.
2. a) What is gout? 2+3+5
b) Differences between gout and pseudo gout.
c) Management of gout in a middle aged woman.
3. a) Write the extensor mechanism of finger with its diagram. 3+4+3
b) Describe in brief development of proximal end femur.
c) Blood supply of femoral head.
4. a) Describe calcium metabolism 3+3+4
b) Skeletal and radiological changes in hyperparathyroidism.
c) Principles and indications of Teriparatide in osteoporosis.
5. a) What is Complex Regional Pain Syndrome (CRPS)? 2+4+4
b) Describe its type and stages.
c) Diagnostic criteria and management of CRPS.

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PAPER-I

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 sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

PART B

- | | | |
|-----|---|-------|
| 6. | a) Anatomy of arches of foot. | 3+3+4 |
| | b) What is posterior tibial tendon dysfunction? | |
| | c) Write stages and management of posterior tibial tendon dysfunction. | |
| 7. | a) Histological zone of growth plate. | 4+3+3 |
| | b) Classification of physeal injury in children. | |
| | c) Management of physeal injury in children. | |
| 8. | a) What is limb length discrepancy? | 3+3+4 |
| | b) Classification of limb length discrepancy. | |
| | c) Management of limb length discrepancy due to congenital pseudoarthrosis tibia in children. | |
| 9. | a) Define entrapment syndrome. | 2+2+6 |
| | b) Enumerate various entrapment syndromes. | |
| | c) Clinical features and management of carpal tunnel syndrome. | |
| 10. | Etiopathogenesis, diagnosis and management of gas gangrene in lower extremity. | 3+3+4 |
