

MS[Orthopaedics]

BF/2009/05

Basic Sciences as related Orthopaedics

[Paper-I]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Describe Calcium metabolism. Describe clinical features, diagnosis and principles of management of nutritional rickets. [40]

2. **Write short notes on:**
 - a. Strength - duration curve. [15]

 - b. Flexor tendons in the hand. [15]

3. **Write short notes on:**
 - a. Arches of the foot. [10]

 - b. Smith Petersen. [10]

 - c. Non-union. [10]

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Principles & Practice of Orthopaedics diseases & Operative orthopaedics

[Paper-II]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. **Write short notes on:**
 - a. Fracture healing. [10]
 - b. Screw anatomy and Lag screw principle. [10]
 - c. Keinbock's disease. [10]
 - d. Tom Smith disease. [10]
 - e. Bone substitutes. [10]

 2. Discuss in detail the amputations of Foot and Ankle. [25]

 3. Describe the etiopathology of Giant Cell tumour and its variant along with their respective management. [25]
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Traumatology and its related aspects

[Paper-III]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

1. Discuss the classification and the changing trends in the management of Fracture Distal Radius in an adult. [30]

 2. **Write short notes on:** [40]
 - a. Inflatable nails.
 - b. Locking plates and screws.
 - c. Tension pneumothorax.
 - d. Shatzker classification.

 3. **Write notes on:** [30]
 - a. Injury severity score.
 - b. Vascular supply of femoral head.
 - c. Crush syndrome.
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Recent Advances in Orthopaedics

[Paper-IV]

Time : 3 Hours

M.M.: 100

Note: Attempt all questions.

Write notes on:

1. Osteotomies for the management of Hallux valgus. [10]
 2. Two stage revision total hip replacement. [10]
 3. Prone graft substitute. [10]
 4. Advances in the medical management of Multiple Myeloma. [10]
 5. Adjuvant therapies in the management of Giant cell tumour. [10]
 6. Role of computer assisted navigation in orthopaedics. [10]
 7. WHO guidelines on safe surgery. [10]
 8. Cemented Versus Uncemented total hip arthroplasty in a 50 yr. old patient. [10]
 9. Role of HIV in Orthopaedics. [10]
 10. Double bundle ACL reconstruction- principles & techniques. [10]
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