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RK—1283

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2001

Paper I

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe Bio-mechanics of Hip in relation to total hip replacement and describe design and clinical advantages of Charnley's hip prosthesis (THR).
2. Pathological aspects of *Osteo-sarcoma* and surgical grading and surgical management of the same. Tumour in long bones.

(2 × 20 = 40 marks)

Short Essays :

3. Anatomy of extensor expansion of index finger.
4. Biochemistry of gout.
5. Histopathological details of skeletal tuberculosis.
6. Role of image intensifier in orthopaedic operation theatre.
7. Principle of "Tension Band wiring".
8. Plaster of Paris (POP).

(6 × 10 = 60 marks)

47

RK—1284

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2001

Paper II

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe anatomy of Lumbricals and Interossei and discuss various surgical procedures to correct "Claw Hand".
2. Describe classification (based on radiological) of *Avascular Nechrosis of Head of Femur* and surgical management of each stage of the same.

(2 × 20 = 40 marks)

Short Essays :

3. Marble bone disease.
4. "Ossyfieng Fibroma".
5. Physiotherapy in osteo-arthrosis of knee.
6. Flow Reaction Arthrosis (FRA).
7. Compound palmar ganglion.
8. "Tourniqnet" in orthopaedics.

(6 × 10 = 60 marks)

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RK—1285

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2001

Paper III

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe Neurological aspects in relation to injuries of Thoraco-Lumbar spine and management of same (T_8 to L_3).
2. Classify the injuries of Ankle. Describe one of them in detail in relation to surgical management.

(2 × 20 = 40 marks)

Short Essays :

3. Closed-intramedullary nailing in diaphysial fractures.
4. Role of external fixator in compound fractures.
5. "Internal Fixation Devices" in supracondylar fractures of adult femur.
6. Posterior dislocation of shoulder.
7. Management of compound fractures of patella.
8. Surgical approach of choice for fracture of proximal third of Ulna with dislocation of head of radius in anterior direction.

(6 × 10 = 60 marks)

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RK—1286

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2001

Paper IV

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe the indications for an uncemented total Hip replacement. Outline the merits and demerits of uncemented total hip replacement.
2. Describe the principles in the stabilisation of spondylolisthesis. Outline the operative technique for stabilisation of Grade IV spondylolistheiss L_5 — S_1.

(2 × 20 = 40 marks)

Short Essays :

3. Describe the operation for anterior cruciate ligament rupture.
4. Write short notes on "Bone bank".
5. Write short notes on "non-articular rheumatism".
6. Describe the diagnostic value of magnetic resonance imaging scan of the spine before operation and after operation.
7. Enumerate the precaution in the surgical management of a human immunodeficiency virus positive patient.
8. Write short notes on "Dynamic Hip Screw Fixation".

(6 × 10 = 60 marks)

