RK—1900

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper I–BASIC AND CLINICAL SCIENCES as applied to ORTHOPAEDIC SURGERY INCLUDING RECENT ADVANCES.

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Describe the various approaches of hip joint and write the indications.
2. Describe normal gait and discuss pathological gaits.

(2 × 20 = 40 marks)

Short Essays :

3. Course of radial nerve in the upper limb write briefly on causes and management of wrist drop.
4. Describe the anatomy of biglows ligament and write a note on biglows method or reduction.
5. Describe the anatomy of lumbal disc.
6. Discuss Volkamanna's ischeamia.
7. Alkaline phosphatase.
8. Bone densitometry.

(6 × 10 = 60 marks)

RK—1901

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper II

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Outline the investigations done to diagnose disc prolapse and explain the merits and demerits of each investigation.
2. Discuss the differential diagnosis, investigations done, and confirmation of diagnosis in a case of poly arthropathy (multiple joint pain).

(2 × 20 = 40 marks)

Short Essays :

3. Write short notes on "Osteoid Osteoma".
4. Write about the clinical features, investigations and management of Paget's disease.
5. Describe the reconstructive surgery for "Ulnar claw hand".
6. Write short notes on "Synovial chondro matosis".
7. Write short notes on "Renal Rickets".
8. Outline the clinical features, diagnosis and management of Osteogenesis Imperfecta.

(6 × 10 = 60 marks)

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RK – 1902

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper III

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Classify Fracture Acetabulum. What are the complications of Fracture Acetabulum ? Outline the management of immediate complications of Fracture Acetabulum.
2. Classify fractures of spine. Outline the stabilization for Thoracolumbar spine injury.

(2 × 20 = 40 marks)

Short Essays :

3. Discuss the management of fracture neck of femur with an ipsilateral fracture shaft of femur in a 40 years old patient.
4. Describe the anatomy of Acromio clavicular joint and outline the management of Acromio clavicular joint dislocation.
5. Describe the tendon transfer surgery for a high radial nerve injury at the level of spiral grove of humerous.
6. Write short notes on "Fracture tibial spine".
7. Describe the fracture anatomy of Bennett's fracture dislocation and the management of Binnett's fracture dislocation.
8. Write short notes on "Re-modelling of bone".

(6 × 10 = 60 marks)

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RK—1903

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper IV

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Discuss the indications for "Unreamed nailing". Outline the merits and demerits of unreamed nailing.
2. Discuss the principles of pedicle screw fixation for stabilisation of spine. Discuss the advantages and disadvantages of sub-laminar wire system, pedicle screw and plate system, pedicle screw and rod system.

(2 × 20 = 40 marks)

Short Essays :

3. Write short notes on "Bioabsorbable fixation".
4. Write short notes on "Bipolar prosthesis".
5. Discuss the use of implants in infected bone.
6. Discuss the value of ultrasound scan in musculo-skeletal disease.
7. Discuss the shoulder instability in athletes. Outline the management of shoulder instability of an athlete.
8. Write short note on "Gallodinium magnetic resonance imaging".

(6 × 10 = 60 marks)

(42)

RK—2350

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper I

me : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

ng Essays :

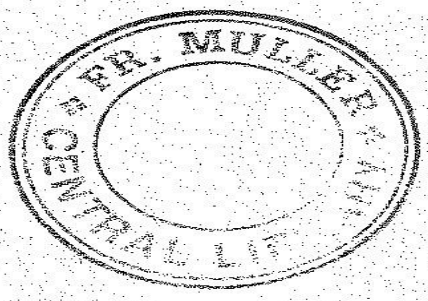
1. Write anatomy of brachial plexus and describe injuries at various levels.
2. Describe the synovial fluid analysis and of different cases of arthrits.

(2 × 20 = 40 marks)

ort Essays :

3. Polio virus.
4. Thomas splint.
5. Biomechanis of Hip joint.
6. Bryant's triange.
7. Arches of foot.
8. Calcitonin.

(6 × 10 = 60 marks)



43

RK—2351

M.S. (ORTHOPAEDICS) DEGREE EXAMINATION, 2002

Paper II

Time : Three Hours Maximum : 100 Marks

Answer **all** *questions.*

Long Essays :

1. Elaborate various surgical procedures for "Foot stabilization" in Polio involving Foot and Ankle and describe one of them in detail.
2. Surgical management of Perthes disease.

(2 × 20 = 40 marks)

Short Essays :

3. Coccy Dynia.
4. Tuberculosis of knee - of a child - management.
5. Chordoma.
6. Fungal osteomyelitis of tarsal bones.
7. Osgood-Schlatter's disease.
8. Physiotherapy for peri orthritis of shoulder.

(6 × 10 = 60 marks)

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(44)

RGUHS

M.S. DEGREE EXAMINATION, September 2002

M.S. ORTHOPAEDICS

Paper III

Time : Three Hours Maximum : 100 Marks

Answer all questions

(2 x 20 = 40 marks)

1. Describe pelvic injuries and its management.
2. Describe various types of treatment of Recurrent dislocation of shoulder joint.

(6 x 10 = 60 marks)

3. Pilon Fractures of Tibia
4. Malunited Colle's Fracture.
5. Fracures of proximal end of Tibia
6. Pulsed Electo Magnetic Therapy
7. Bone Marrow Injection.
8. Bone Bank.

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(45)

RGUHS

M.S. DEGREE EXAMINATION, September 2002

M.S. ORTHOPAEDICS

Paper IV

Time : Three Hours | Maximum : 100 Marks

Answer all questions

(2 x 20 = 40 marks)

1. Eloborate various conditions showing Sclerosis (increase of density) of body of vertebra in plain Radiograph and discuss differential diagnosis of the same.
2. Discribe complcations of Total Hip Replacement.

(6 x 10 = 60 marks)

3. Posterior instrumentation in correction of Idiopathic Scoliosis.
4. Recent trends in management of Fracture Calcaneum.
5. Stress Fractures.
6. Cement - Mantle - Disease.
7. Complications of Colle's Fracture.
8. Unseemed Nailing in Diaphyseal Fractures.

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