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MS (ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER I: BASIC SCIENCES RELATED TO SPECIALITY

Wednesday, June 03, 2020

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays:
- Describe Calcium metabolism. How do you investigate and manage 22 year old female with osteomalacia.

(15 marks)

2. Describe the anatomy of articular cartilage. Describe the pathogenesis and relevance of destruction of articular cartilage in infant with acute septic arthritis of the hip joint.

(15 marks)

- 3. Write short note:
- 3A. Febuxostat
- 3B. Applicability of growth modulation
- 3C. Electomyography
- 3D. Neonatal hip instability test
- 3E. Bohler Braun splint
- 3F. Instrumented gait analysis
- 3G. Methicillin sensitive staphylococcus aureus
- 3H. Use and abuse of Tourniquet
- 31. Thumb in palm deformity
- 3J. Spina ventosa

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MS (ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER II: TRAUMATOLOGY AND REHABILITATION

Thursday, June 04, 2020

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- ∠ Long Essays:
- 1. Describe the blood supply of neck of the femur. How do you treat 25 year old young male with neck femur fracture?

(15 marks)

2. Describe static and dynamic stabilizing structures of knee joint. How do you treat 35 year old man with Acute Posterolateral corner injury of the knee?

(15 marks)

- 3. Write short note:
- 3A. Floating shoulder
- 3B. Trans scaphoid Perilunate dislocation
- 3C. Terrible triad of elbow
- 3D. Myositis ossificans
- 3E. Biodegradable implants
- 3F. Titanium elastic nail
- 3G. Osteochondral knee fracture
- 3H. Jefferson's fracture
- 3I. Distal tibial physis injury
- 3J. Hoffa's fracture

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MS (ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER III: ORTHOPAEDIC DISEASES

Friday, June 05, 2020

Time: 14:00 – 17:00 Hrs. Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays:
- 1. Discuss medical and Orthopaedic management of Ankylosing spondylitis.

(15 marks)

2. Classify bone tumours. Discuss histopathological features, diagnosis and management of Osteosarcoma.

(15 marks)

- 3. Write short notes on:
- 3A. Fat embolism syndrome
- 3B. Nonoperative management of knee osteoarthritis
- 3C. Management of Osteoporosis
- 3D. Pes Cavus
- 3E. Blounts disease
- 3F. ATT regimens in bone and joint tuberculosis
- 3G. Enumerate fibrous lesions of bone. Clinical features, diagnosis and management of fibrous dysplasia of bone
- 3H. Boutonniere deformity
- 3I. Chondromalacia Patella
- 3J. Synovial fluid analysis

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MS (ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER IV: RECENT ADVANCES IN ORTHOPAEDIC SURGERY

Saturday, June 06, 2020

Time: 14:00 – 17:00 Hrs.	Max. Marks: 100
Time. 14.00 – 17.00 firs.	Max. Marks. 100

- ∠ Long Essays:
- 1. Discuss the management of Meniscal injuries of the knee joint.

(15 marks)

2. Upper limb prosthesis.

(15 marks)

- 3. Write short notes on:
- 3A. Neo-adjuvant chemotherapy
- 3B. Mega-prosthesis
- 3C. Bone banking
- 3D. CT based classification of proximal tibia fracture
- 3E. Allografts
- 3F. Osteoid osteoma
- 3G. Laminar flow in operating room
- 3H. Uncemented total hip arthroplasty
- 3I. Internal fixator
- 3J. Revision knee arthroplasty

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$