Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION MS (ORTHOPAEDICS) DEGREE EXAMINATION – OCTOBER 2022 PAPER I

Monday, October 03, 2022

Max.	Marks: 100)
	Max.	Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essays:
- 1. Anatomy of the brachial plexus. Write a note on erb's palsy.

(15 marks)

2. Biomechanics of the knee. Write a note on meniscal injuries.

(15 marks)

- 3. Write short notes:
- 3A. Meralgia Paresthetica
- 3B. Principles of open fracture management
- 3C. Milwaukee Brace
- 3D. Nerve injury classification. Write a note on Nerve conduction study
- 3E. Rotator cuff
- 3F. Bohler's angle
- 3G. Fracture healing
- 3H. Rickets
- 3I. Blood supply of talus
- 3J. Fat embolism

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

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Reg. No.						

MANIPAL ACADEMY OF HIGHER EDUCATION MS (ORTHOPAEDICS) DEGREE EXAMINATION – OCTOBER 2022 PAPER II

Tuesday, October 04, 2022

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

∠ Long Essays:

1. Classify posterior dislocation of the hip. Outline the principles of management. Briefly discuss the complications

(15 marks)

2. Discuss the classification and management of Monteggia fracture.

(15 marks)

3. Write short notes on:

- 3A. Fracture disease
- 3B. Hangman fracture
- 3C. Treatment of supination external rotation injury of the ankle
- 3D. Interlocking nails
- 3E. Tension band wiring
- 3F. Clinical features of Monteggia fracture dislocation
- 3G. Seatbelt Triad
- 3H. Joshi's External Stabilisation System (JESS)
- 3I. Lunate dislocation
- 3J. Management of Sudeck's osteodystrophy

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



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MANIPAL ACADEMY OF HIGHER EDUCATION MS (ORTHOPAEDICS) DEGREE EXAMINATION – OCTOBER 2022 PAPER III

Thursday, October 06, 2022

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Answer ALL questions.

∠ Long Essays:

- 1. Juvenile Rheumatoid Arthritis:
- 1A. ILAR Classification
- 1B. Differential Diagnosis
- 1C. Clinical Characteristics
- 1D. Course, Complications and Prognosis
- 1E. Management

(3+2+5+3+2 = 15 marks).

- 2. Legg-Calve-Perthes Disease
- 2A. Etiopathogenesis
- 2B. Classifications
- 2C. Treatment

(3+7+5 = 15 marks)

3. Write short notes on:

- 3A. Radial Club Hand
- 3B. CRPS
- 3C. Giant Cell Tumor
- 3D. Management of Osteoporosis
- 3E. Calcification of the supraspinatus tendon
- 3F. TB Spine Types, Spread, Treatment
- 3G. Pagets Disease of the bone
- 3H. Acute Osteomyelitis
- 31. Primitive Neuroectodermal Tumor.
- 3J. Slipped Capital Femoral Epiphysis-Classification, Treatment.

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

Reg. No.				

MANIPAL ACADEMY OF HIGHER EDUCATION MS (ORTHOPAEDICS) DEGREE EXAMINATION – OCTOBER 2022 PAPER IV

Friday, October 07, 2022

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions.

∠ Long Essays:

1. Describe the causes for recurrent dislocation of patella. How will you diagnose and manage a case with soft tissue abnormality causing recurrent dislocation of patella?

(5+5+5=15 marks)

2. Describe the etiopathology, clinical features and management of osteoporotic vertebral fractures.

(5+5+5=15 marks)

3. Write short notes on:

- 3A. Rehabilitation of ACL reconstructed knee.
- 3B. Biopsy in Malignant Bone Tumors.
- 3C. Current concepts in management of clavicle fractures
- 3D. Vaccum Assisted Closure (VAC)
- 3E. Damage control Orthopaedics
- 3F. Daycare surgical procedures in orthopaedics.
- 3G. Bone Bank
- 3H. Fixation methods in periprosthetic fractures in a patient with THR
- 3I. Distraction histiogenesis
- 3J. Femoro Acetabular Impingement

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