

Madhya Pradesh Medical Science University, Jabalpur
Post Graduate Degree Examination (Medical Faculty) June-2020

Paper Code:-20AM127100461

Subject- Orthopedics

Paper-I

Time : 3 Hours

Maximum Marks : 100

Instructions:

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper. otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

1. Long Answer Question (Any Two)

2 X 20 = 40

- a. Describe the etiopathogenesis and management of CTEV of a 5 years old child.
- b. Discuss Magnetic Resonance Imaging (MRI) and its applications in Orthopaedics.
- c. Discuss physiological gait and gait in various disease conditions.

2. Write in brief- (Any Six)

6X 10 = 60

- a. Osteopetrosis
- b. Patho-anatomy of knee joint in Tuberculosis
- c. Biomechanics of hip joint in avascular necrosis of head of femur
- d. Renal osteodystrophy
- e. Pathological features in a case of osteogenic sarcoma
- f. Drugs used in the management of multiple myeloma
- g. Congenital scoliosis
- h. Hyperparathyroidism

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Madhya Pradesh Medical Science University, Jabalpur
Post Graduate Degree Examination (Medical Faculty) July-2020

Paper Code:-20AM0127100462

Subject- Orthopedics

Paper-II

Maximum Marks : 100

Time : 3 Hours

Instructions:

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

1. Long Answer Question (Any Two)

2 X 20 = 40

- a. Clinical features and management of fracture neck of Femur.
- b. Management of fracture Scaphoid.
- c. Management of polytrauma Patient.

2. Write in brief (Any Six)

6X 10 = 60

- a. Jones fracture
- b. Torus fracture
- c. Classification of epiphyseal injuries.
- d. Classification of compound fracture.
- e. Colles fracture.
- f. Fracture of Olecranon
- g. Mallet finger
- h. Fat embolism.

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Madhya Pradesh Medical Science University, Jabalpur
Post Graduate Degree Examination (Medical Faculty) July-2020

Paper Code:-20AM127100463

Subject- Orthopedics

Paper-III

Time : 3 Hours

Maximum Marks : 100

Instructions:

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

1. Long Answer Question (Any Two)

2 X 20 = 40

- a. Describe the etio-pathology, clinical features, diagnosis and management of a case of Developmental Dysplasia of the Hip joint (DDH).
- b. Classify inflammatory arthropathies. Discuss the seronegative, spondylo-arthropathies.
- c. Discuss the etio-pathogenesis, clinical features, diagnosis and treatment of a case of TB spine with paraplegia.

2. Write in Brief (Any Six)

6X 10 = 60

- a. Dupuytren's contracture
- b. Fibrous dysplasia
- c. Complex regional pain syndrome
- d. Chondrosarcoma
- e. Haemophilic arthropathy
- f. Cerebral palsy
- g. Metastatic deposits in bones
- h. Cauda equina syndrome

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Madhya Pradesh Medical Science University, Jabalpur
Post Graduate Degree Examination (Medical Faculty) July-2020

Paper Code:-20AM127100464

Subject- Orthopedics

Paper-IV

Time : 3 Hours

Maximum Marks : 100

Instructions:

- 1) Draw diagrams wherever necessary.
- 2) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 3) Do not write anything on the blank portion of the question paper-such type of act will be considered as an attempt to resort to unfair means.

1. Long Answer Question (Any Two)

2 X 20 = 40

- a. Discuss computer navigation surgery and its applications in Orthopaedics in hip, knee, spine and trauma cases.
- b. Describe the biochemical markers in bone formation and resorption and their role in the management of osteoporosis.
- c. Discuss the recent trends in the understanding of patho-physiology of osteoarthritis of the knee joint and its management by total knee replacement (TKR)

2. Write in Brief (Any Six)

6X 10 = 60

- a. Genome and gene therapy in Orthopaedics
- b. Biodegradable implants
- c. Limb salvage surgery in malignant bone tumors
- d. Musculo-skeletal manifestations in Covid 19 corona virus disease
- e. Damage control in Orthopaedics
- f. Radiofrequency ablation
- g. Distraction Osteogenesis
- h. DEXA scan

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