

Total number of printed pages-8

34 (4) OSPH 4.1

2021

(Held in 2022)

**ORTHOPAEDICS AND SPORTS
PHYSIOTHERAPY**

Full Marks : 100

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

- I. Long essay type : ***(any two)*** 10×2=20
- (i) Discuss assessment and physiotherapy management protocol of a patient undergone total knee replacement.
 - (ii) Explain physiotherapy management for patient with lumbar intervertebral disc prolapse.
 - (iii) Explain physiotherapy assessment and management for patient with anterior shoulder dislocation.

Contd.

II. Short essay type : **(any eight)** 5×8=40

- (i) Physiotherapy management for patient with RA.
- (ii) McKenzie mechanical diagnosis and therapy.
- (iii) TB spine and physiotherapy management for patient undergoing spinal decompression for the same.
- (iv) Classify Scoliosis. Explain the PT management for idiopathic type.
- (v) Physiotherapy management following fracture of tibia.
- (vi) Mechanism of injury of lateral ankle sprain and its PT management.
- (vii) What are causes of phantom pain and its physiotherapy management ?
- (viii) PT management following supracondylar fracture of humerus.
- (ix) Discuss physiotherapy management for plantar fasciitis.
- (x) Physiotherapy management following ACL reconstruction surgery.
- (xi) Physiotherapy management following above knee amputation.

(xii) Physiotherapy management for OA knee.

III. Short answer type : 2×10=20

- (i) Hoffa's syndrome
- (ii) Avascular necrosis
- (iii) Myositis ossificans
- (iv) Cold abscess
- (v) Special foot for carpal tunnel syndrome
- (vi) Cobb's angle
- (vii) Reflex sympathetic dystrophy
- (viii) Intrinsic plus deformity
- (ix) Significance of 'Q' angle
- (x) Dowager's hump

IV. Multiple choice questions : 1×20=20

- (i) Causes of nonunion of fracture include
 - (a) inadequate fixation
 - (b) adequate fixation
 - (c) not enough calcium in diet
 - (d) over supply of calcium in diet

(ii) Denis Browne splint is used for the correction of

- (a) Talipes equinovarus
- (b) Talipes calcaneovalgus
- (c) Talipes valgus
- (d) All of the above

(iii) Idiopathic scoliosis treatment depends primarily upon

- (a) surgery after the curvature has 9 years
- (b) brace the spine for 2 years
- (c) use a cast prior to surgery
- (d) diagnosis with relation to skeletal maturity

(iv) Lisfranc dislocation is

- (a) Tarsometatarsal dislocation
- (b) Lunate dislocation
- (c) Scaphoid dislocation
- (d) Posterior dislocation of elbow.

(v) Postural deviation resulting from untreated congenital hip dislocation includes

- (a) forward tilting of pelvis
- (b) increased lumbar lordosis

(c) lumbar spine deviates towards the affected side

(d) All of the above

(vi) Milkman's fracture is seen in

- (a) Periostitis
- (b) Osteomalacia
- (c) Osteoporosis
- (d) None of the above

(vii) Meralgia parasthetica is due to compression of

- (a) tibial nerve
- (b) lateral femoral nerve
- (c) common peroneal nerve
- (d) femoral nerve

(viii) The etiology of CDH

- (a) trauma during birth
- (b) viral infection
- (c) inadequate nutrition
- (d) None of the above

(ix) Triangular relation of elbow is maintained in :

- (a) Fracture of ulna
- (b) Anterior dislocation of elbow
- (c) Posterior dislocation of elbow
- (d) Supracondylar fracture.

(x) March fracture is

- (a) fracture of tarsal bone
- (b) complete metatarsal fracture
- (c) hairline fracture
- (d) None of the above

(xi) Minor's elbow refers to

- (a) medial epicondylitis
- (b) tenosynovitis
- (c) olecranon kurtosis
- (d) None of the above

(xii) Distal radial fracture is

- (a) Galeazzi fracture
- (b) Colles fracture
- (c) Monteggia's fracture
- (d) None of the above

(xiii) Kienböck's disease is

- (a) AVN of scaphoid
- (b) AVN of lunate
- (c) Fracture of scaphoid
- (d) None of the above

(xiv) Repetitive trauma leads to degeneration of tendon is called

- (a) Tendinitis
- (b) Tenovaginitis
- (c) Tenosynovitis
- (d) Tendinosis

(xv) Improve shoulder external rotation

- (a) AP glide
- (b) PA glide
- (c) Caudal glide
- (d) Both PA and Caudal

(xvi) Boston brace is used in

- (a) Lordosis
- (b) Kyphosis
- (c) Scoliosis
- (d) Spinal fracture

- (xvii) Osteogenesis imperfecta occurs due to
- (a) deficiency of calcium
 - (b) unossified cartilage
 - (c) defective collagen formation
 - (d) None of the above
- (xviii) Tenderness of quadring due to irritation of
- (a) L₃
 - (b) L₄
 - (c) L₅
 - (d) S₁
- (xix) Faber sign is used to rule
- (a) IVDP of lumbar
 - (b) Hip joint pathology
 - (c) S₁ joint pathology
 - (d) All of the above
- (xx) Pott's fracture is
- (a) TB of spine fracture
 - (b) Bimalleolar fracture
 - (c) Ankle dislocation
 - (d) None of the above