

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
Fourth Year**

**Non-Semester Regulations and Seventh Semester
(Modified / New Modified Regulations)**

**ORTHOPAEDICS FOR PHYSIOTHERAPISTS
(CLINICAL ORTHOPAEDICS)**

Q.P. Code : 745181

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Essays : **(2 x 15 = 30)**

1. Write briefly about anterior shoulder dislocation, its clinical manifestations, management and complications.
2. Write an essay on radial nerve injury at the spiral groove of humerus, its clinical manifestations and management

II. Short Notes on : **(10 x 5 = 50)**

1. Volkman's ischemic contracture.
2. Non Union of fractures.
3. Fracture Patella.
4. Galeazzi fracture dislocation.
5. Autonomous bladder.
6. Foot Drop.
7. Plantar Fascitis.
8. Avulsion fractures.
9. Claw hand.
10. Middle arc syndrome.

III. Short Answer: **(10 x 2 = 20)**

1. How will you immobilize fingers?
2. After what age radial Head can be excised?
3. If cross union occurs in fracture both bones fore arm. What will be the disability.
4. What fracture and what dislocation occur in monteggia fracture dislocation?
5. At the time of dash board injury, what position the limb should be, to produce posterior dislocation.
6. Why intra capsular fracture neck of femur does not UNITE?
7. Cord trans section at L(1) level will produce what type of Bladder?
8. What deficiency produces rickets?
9. Sun ray appearance in X-Ray appears in which tumor.
10. How much power the muscle should at least have to be transferred and rerouted.

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Answer All questions.

I. Essays : **(2 x 15 = 30)**

1. Discuss in detail the probable causes, clinical features and treatment of low back pain in a 48 yr. old lady.
2. Classify scoliosis. Describe idiopathic scoliosis in detail.

II. Short Notes on : **(10 x 5 = 50)**

1. Mallet finger.
2. Ewings sarcoma.
3. Painful arch syndrome.
4. Congenital dislocation of hip.
5. Automatic bladder.
6. Swan neck deformity.
7. Stress fracture.
8. Costochondritis.
9. Trophic ulcer.
10. Adhesive capsulitis.

III. Short Answer: **(10 x 2 = 20)**

1. Define fracture.
2. What is bone graft?
3. Types of fractures.
4. Ankle sprain.
5. Difference between dislocation and subluxation.
6. Malunion.
7. Septic arthritis.
8. Name four malignant bone tumours.
9. Define flat foot.
10. Rheumatoid arthritis – clinical features.

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Answer All questions.

I. Essays :

(2 x 15 = 30)

1. Discuss in detail the levels of amputation and its causes. Give a brief outline on the pre-op, post- op and prosthetic management.
2. Enumerate the causes, clinical features and principles of treatment for fracture neck of femur in an elderly man.

II. Short Notes on :

(10 x 5 = 50)

1. Erb's palsy.
2. Post polio residual paralysis.
3. Rheumatoid hand.
4. Volkman's ischemic contracture.
5. Cauda equina syndrome.
6. Foot drop.
7. Idiopathic scoliosis.
8. Osteo sarcoma.
9. Pott's spine.
10. Green stick fracture.

III. Short Answer:

(10 x 2 = 20)

1. Radial nerve injury will lead to what defect.
2. Ulnar nerve injury will lead to what defect.
3. Define osteomyelitis.
4. Define osteoporosis.
5. Define a splint.
6. Write the contents of plaster of paris.
7. Define wax therapy.
8. Define shortwave diathermy.
9. What is sequestrum?
10. Define kyphoscoliosis.

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Q.P. Code : 745181

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays:

(2X15=30)

1. Describe briefly the etiology, clinical features, management and complications of Supracondylar fracture of the Humerus.
2. Classify Bone Tumours. Describe Osteogenic Sarcoma in detail.

II. Short Notes :

(10X5=50)

1. Non – Union.
2. Tennis Elbow.
3. Fracture Healing.
4. Siatica.
5. Rotator Cuff Tear.
6. Rupture of Achelles tendon.
7. Clavicle Fracture.
8. Flat foot.
9. Claw Hand.
10. Below Knee Amputation.

III. Short Answers:

(10X2=20)

1. Mallet Finger.
2. Define Sprain and Strain.
3. Difference between Static and Dynamic splint.
4. Tens.
5. Strapping.
6. Define Orthosis.
7. Define Prosthesis.
8. Lateral popliteal nerve injury will lead to what defect.
9. Types of Sequestrum.
10. Bumper Fracture.

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Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays:

(2X15=30)

1. Describe the pathology, clinical features, complications and management of TB hip.
2. Describe the clinical features, complications and management of C₅ Quadriplegia.

II. Short Notes :

(10X5=50)

1. Complication of Colle's fracture.
2. Radial club hand.
3. Phantom limb.
4. Ewings sarcoma.
5. Management of fracture neck of femur.
6. Principles of tendon transfer.
7. Spondylolisthesis.
8. Myositis ossificans.
9. Torticollis.
10. Complications of chronic osteomyelitis.

III. Short Answers:

(10X2=20)

1. Plaster of paris.
2. Types of club foot.
3. Erb's point.
4. Monteggia fracture.
5. McMurray's test.
6. Stages of fracture healing.
7. Cobb's angle.
8. Tendons affected in Dequervain's disease.
9. Bones commonly affected by Avasular Necrosis.
10. Classification of Scoliosis.

August 2011

[KZ 6266]

Sub. Code : 6266

BACHELOR OF PHYSIOTHERAPY EXAMINATION

FOURTH YEAR / SEVENTH SEMESTER

CLINICAL ORTHOPAEDICS

Q.P. Code : 746266

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Describe the mechanism of injury, complications and management of supra-condylar fracture of humerus.
2. Outline the etiopathology of Rheumatoid arthritis. Describe the deformities that occur in a rheumatoid hand and its management.

II. SHORT NOTES

(8X5=40)

1. Periarthritis shoulder.
2. Scaphoid fracture.
3. Sequestrum.
4. Cobb's angle.
5. Cervical rib.
6. Torticollis.
7. Spondylolisthesis.
8. Fracture Patella.

III. SHORT ANSWERS

(10X2=20)

1. Green stick fracture.
2. Hallux Valgus.
3. Subluxation.
4. Carpal bones.
5. Delayed union.
6. Volkman's sign.
7. Mc. Murrays test.
8. Scapulo-humeral rhythm.
9. Antalgic gait.
10. Hypothenar muscles of hand.

February 2012

[LA 6266]

Sub. Code: 6266

**BACHELOR OF PHYSIOTHERAPY EXAMINATION
FOURTH YEAR / SEVENTH SEMESTER
CLINICAL ORTHOPAEDICS**

Q.P. Code: 746266

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Describe the causes, clinical features and management of recurrent dislocation of the shoulder.
2. Describe the clinical features, complications and management of a patient with fracture of D8 vertebra with paraplegia.

II. Write notes on:

(8X5=40)

1. DeQuervains disease.
2. March fracture.
3. Ulnar claw hand.
4. Fracture disease.
5. Anterior cruciate ligament.
6. Potts fracture.
7. Shoulder hand syndrome
8. Myositis Ossificans

III. Short Answers:

(10X2=20)

1. Z-Thumb deformity.
2. Hallux valgus.
3. Guillotine amputation.
4. Mallet finger.
5. Elys test
6. Complications of Scaphoid fracture.
7. Attachments and nerve supply of hamstring muscle.
8. List the complications of Supracondylar fracture of humerus.
9. Clarke's test.
10. Q -angle

[LB 6266]

AUGUST 2012

Sub. Code: 6266

FOURTH YEAR / SEVENTH SEMESTER BPT EXAM

CLINICAL ORTHOPAEDICS

Q.P. Code: 746266

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Describe the mechanism of injury, complications and management of posterior dislocation of hip. | 19 | 33 | 20 |
| 2. Outline the etiopathology of Ankylosing spondylitis. Describe briefly its management and the role of exercises. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|------------------------------|---|---|---|
| 1. Supraspinatus tendonitis. | 3 | 8 | 5 |
| 2. Stress Fracture. | 3 | 8 | 5 |
| 3. Flat foot. | 3 | 8 | 5 |
| 4. Compound fracture. | 3 | 8 | 5 |
| 5. Carpal Tunnel Syndrome. | 3 | 8 | 5 |
| 6. Club foot. | 3 | 8 | 5 |
| 7. Symes amputation. | 3 | 8 | 5 |
| 8. Plantar Fasciitis. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|--|---|---|---|
| 1. Swan neck deformity. | 1 | 5 | 2 |
| 2. Thenar muscles of hand. | 1 | 5 | 2 |
| 3. Name four entrapment neuropathies. | 1 | 5 | 2 |
| 4. Genu valgum. | 1 | 5 | 2 |
| 5. Anterior drawer test. | 1 | 5 | 2 |
| 6. Dugas sign. | 1 | 5 | 2 |
| 7. Bunion. | 1 | 5 | 2 |
| 8. External rotators of the hip. | 1 | 5 | 2 |
| 9. Tinel's sign. | 1 | 5 | 2 |
| 10. Name the fracture and dislocation in Monteggia fracture dislocation. | 1 | 5 | 2 |

[LC 6266]

FEBRUARY 2013

Sub. Code: 6266

FOURTH YEAR BPT EXAM / SEVENTH SEMESTER

CLINICAL ORTHOPAEDICS

Q.P. Code: 746266

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Outline the etiopathology types, clinical features and management of congenital talipes equino varus.
2. Classify amputations. Briefly describe the indications for amputations. How do you manage a transtibial amputee?

II. Write notes on: (8X5=40)

1. Radial club hand.
2. Ulnar claw hand.
3. Fracture clavicle.
4. Ewings sarcoma.
5. Osteochondritis dissecans.
6. Principles of tendon transfer.
7. Anterior dislocation of shoulder.
8. Fracture around the ankle joint.

III. Short Answers: (10X2=20)

1. Management of fracture neck of femur.
2. Erbs point.
3. Involucrum.
4. Osteotomy.
5. Hugh Owen Thomas.
6. Cold abscess.
7. Genu valgum.
8. Barton's fracture.
9. Dequervains disease.
10. Triple dislocation.

[LD 6266]

AUGUST 2013

Sub. Code: 6266

FOURTH YEAR / SEVENTH SEMESTER BPT EXAM

CLINICAL ORTHOPAEDICS

Q.P. Code : 746266

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Discuss in detail about Osteomyelitis – Definition, clinical features, types, causes, Management and complications.
2. Outline the etiopathology, types, clinical features and management of Brachial plexus injury.

II. Write Notes on:

(8X5=40)

1. Osteotomy.
2. Plantar Fasciitis.
3. Myositis Ossificans.
4. RA Hand.
5. Klumpke's Palsy.
6. Colles Fracture.
7. Phantom Limb Pain.
8. Bone Grafting.

III. Short Answers:

(10X2=20)

1. Define Periarthritis Shoulder. List the clinical features.
2. List the splints used for Upper extremity Peripheral nerve injuries.
3. Straight leg raising test.
4. List the levels of Lower limb Amputation.
5. Difference between dislocation and subluxation.
6. List the causes for shoulder impingement syndrome.
7. Difference between Tide and Untided injuries of hand.
8. Define Q Angle.
9. List the types of Leprosy.
10. Types of CTEV.
