

[LF 0212]

AUGUST 2014

Sub.Code :2412

**B.Sc. PROSTHETICS & ORTHOTICS  
SECOND YEAR  
PAPER II – ORTHOPAEDICS & AMPUTATION SURGERY**

*Q.P. Code: 802412*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Fracture. Explain the different types of fractures, their complications and orthotic management.
2. Define Amputation. What are the different levels of amputation in lower limbs and their prosthetic management?
3. Write in detail about Tuberculosis involvement of spine, the complications and management.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Management of Carpal Tunnel Syndrome.
2. Define and explain Hallux Valgus Deformity.
3. Explain Spondylolisthesis and management.
4. Management of different aspects of heel pain with orthotics.
5. Explain Rickets and its management.
6. Explain Post Polio syndrome and management.
7. Explain common causes of Pressure ulcers and write briefly their management.
8. Management of Osteogenesis Imperfecta.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Grading of Burns.
2. Osteointegration Prosthesis
3. Whiplash injuries.
4. What is knuckle bender splint?
5. Common deformities in Rheumatoid Hand.
6. Tennis elbow.
7. What is Gower's sign?
8. What is phantom limb sensation?
9. Trigger finger.
10. Name the different orthosis for CTEV management.

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[LG 0215]

FEBRUARY 2015

Sub.Code :2412

**B.Sc. PROSTHETICS AND ORTHOTICS**

**SECOND YEAR**

**PAPER II – ORTHOPAEDICS AND AMPUTATION SURGERY**

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**Maximum : 100 Marks**

**Answer All questions**

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**(8 x 5 = 40)**

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**III. Short answers on:**

**(10 x 3 = 30)**

1. Grading of Burns.
2. Osteointegration Prosthesis
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4. What is knuckle bender splint?
5. Common deformities in Rheumatoid Hand.
6. Tennis elbow.
7. What is Gower's sign?
8. What is phantom limb sensation?
9. Trigger finger.
10. Name the different orthosis for CTEV management.

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[LH 0815]

AUGUST 2015

Sub. Code: 2412

**BACHELOR IN PROSTHETICS AND ORTHOTICS**

**SECOND YEAR**

**PAPER II – ORTHOPAEDICS AND AMPUTATION SURGERY**

*Q.P. Code: 802412*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. List the common congenital deformities of bone and Joints. Discuss the management of Club Foot.
2. What are the common soft tissue injuries of the knee? Write in detail about the management of Cruciate ligaments of the knees.
3. Classify Arthritis. Write about the aetiology, treatment and complications of Rheumatoid Arthritis.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Myositis Ossificans.
2. Osteomyelitis.
3. Ulnar Nerve Palsy.
4. Treatment of Prolapsed Intervertebral Disc.
5. Complications of Hansen's disease?
6. Treatment of Diabetic Foot ulcers.
7. Osteogenic Sarcoma.
8. Amputations in children

**III. Short answers on:**

**(10 x 3 = 30)**

1. Write notes on Charcot's Joint.
2. Outline Torticollis treatment.
3. Explain gout and its management.
4. Treatment of Dupuytren's Disease.
5. Treatment for recurrent dislocation of patella?
6. Orthotic management of Lumbar Spondylosis?
7. Post operative complications of amputation.
8. Care of Anesthetic foot.
9. Care of Mallet finger.
10. Orthotic management of burns.

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**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Osteomyelitis. Discuss the aetiology, management and complications of Osteomyelitis.
2. Define subluxation and dislocation. Write about the treatment options for Congenital dislocation of the hip.
3. What is osteoarthritis? Discuss the management options for osteoarthritis of the knees.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Management Osteogenesis Imperfecta.
2. Types of Amputations.
3. Causes of club hand.
4. Genu varum and Genu Valgum.
5. Treatment of Tennis Elbow.
6. Orthotic management of C.T.E.V.
7. Bladder care in Spinal cord injury patient.
8. Volkmann's Ischemic Contractures.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Enumerate causes of limb length discrepancy.
2. Treatment of Haemophilic Arthritis.
3. Osteomyoplastic flaps.
4. Recurrent Dislocation of shoulder.
5. Ankylosing Spondylitis.
6. Treatment of Periarthritis of shoulder.
7. Common complications of fractures
8. Indications of revision amputation.
9. Treatment of Golfer's Elbow.
10. Explain Heterotrophic Ossification Orthotic management of burns.

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**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Etiology, clinical presentation and management of Hansen's disease.
2. Complications in a Diabetic foot and its management.
3. Pre and post-operative management in amputation surgery and the different levels of lower limb amputation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Pre-prosthetic training.
2. Stages of fracture healing.
3. Volkmann's Ischaemic Contracture.
4. Causes and diagnosis of congenital dislocation of the hip.
5. Causes and types of shoulder dislocation.
6. Management of Lumbar scoliosis.
7. Haemophilic arthropathy of knee joint.
8. Median nerve injury.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Genu recurvatum.
2. De Quervain's tenosynovitis.
3. Osteoarthritis knee.
4. Mallet finger.
5. Barton's fracture.
6. Perthe's disease.
7. Causes of osteoporosis.
8. Becker's muscular dystrophy.
9. Ankylosing spondylitis.
10. Phantom pain.

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*Q.P. Code: 802412*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Clinical presentation, complications and management of TB spine.
2. Hand deformities in Rheumatoid arthritis and its management.
3. Pre and post-operative management in amputation surgery and the different levels of upper limb amputation.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Types of partial foot amputation.
2. Indications for amputation revision.
3. Difference between myoplasty and myodesis.
4. Investigation for cervical spondylosis.
5. Causes of Avascular necrosis of hip.
6. Types and clinical signs of fractures.
7. Management of Metatarsalgia.
8. Ulnar nerve injury.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Boutinnaire deformity.
2. Cauda equina syndrome.
3. Osteoarthritis hip.
4. March fracture.
5. Management of upper limb burns contracture.
6. Immediate post-operative rigid dressing.
7. CTEV.
8. Dupuytren contracture.
9. Madelung deformity.
10. Phantom pain.

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*Q.P. Code: 802412*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Congenital limb deficiencies and their management.
2. Hand deformities in Rheumatoid arthritis and its management.
3. Principles and techniques of amputation surgery in lower limbs.

**II. Write notes on:**

**(8 x 5 = 40)**

1. CTEV.
2. Neuropathic joint and its management.
3. Indications for Syme's Amputation.
4. Stages of fracture healing.
5. Etiopathology of Rickets.
6. Anterior cruciate ligament injury and its management.
7. Haemophilic arthropathy of knee joint.
8. Radial nerve injury.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Plantar fasciitis.
2. Rotator cuff tendinitis.
3. Volkmann's contracture.
4. Carpal tunnel syndrome.
5. Central Cord Syndrome.
6. Perthe's disease.
7. Complications of Colle's fracture.
8. Duchenne muscular dystrophy.
9. Clinical presentation of Ankylosing spondylitis.
10. Cubitus Valgus deformity.

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[LN 0818]

AUGUST 2018

Sub. Code: 2412

**BACHELOR IN PROSTHETICS AND ORTHOTICS**

**SECOND YEAR**

**PAPER II – ORTHOPAEDICS AND AMPUTATION SURGERY**

*Q.P. Code: 802412*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Classify Scoliosis and describe its management.
2. Surgeries to knee joint and their management.
3. Principles of immediate postoperative fitting advantages and methods.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Classification of fractures.
2. Acute pyogenic Osteomyelitis.
3. Homeophilic joint.
4. Skeletal manifestations of rickets.
5. Cauda equina syndrome.
6. Torticollis.
7. Syme's amputation.
8. Carpal tunnel syndrome.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Neuropraxia.
2. Cubitus Varus.
3. Sequestrum.
4. De Quervain Tenosyontis.
5. Triple deformity of knee in tuberculosis.
6. Spina bifida.
7. Cockup splint.
8. Claw hand.
9. Gait.
10. Osteoarthritis of knee.

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