

[LF 0212]

AUGUST 2014

Sub.Code :2413

**B.Sc. PROSTHETICS & ORTHOTICS
SECOND YEAR
PAPER III – PHYSICAL MEDICINE & REHABILITATION**

Q.P. Code: 802413

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Muscular Dystrophy. Write about management of a child with Duchenne Muscular Dystrophy.
2. What are the steps in post operative management of above knee stump?
3. Classify nerve injuries. What is the management of Sciatic, popliteal and tibial nerve injuries?

II. Write notes on:

(8 x 5 = 40)

1. Write in psychological adaptation mechanism of a disabled.
2. Use of ultrasound in pain.
3. Management of Hetero tropic ossification.
4. Management of Diabetic foot.
5. Different type of cervical collars and their use.
6. Treatment of gouty arthritis.
7. Neuroprosthesis.
8. Concessions for the disabled in our country.

III. Short answers on:

(10 x 3 = 30)

1. Myoelectric prosthesis.
2. Explain Erb's palsy.
3. Stump exercises.
4. Short notes on hydrotherapy.
5. Flat feet orthosis.
6. Dennis Brown Splint.
7. Sensory integration procedures
8. Myelomeningocele.
9. Waddling gait.
10. Pediatric walkers.

[LH 0815]

AUGUST 2015

Sub. Code: 2413

BACHELOR IN PROSTHETICS AND ORTHOTICS

SECOND YEAR

PAPER III – PHYSICAL MEDICINE AND REHABILITATION

Q.P. Code: 802413

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define impairment, disability and handicap with examples.
2. Benefits of community based rehabilitation.
3. Common deformities in spastic cerebral palsy.

II. Write notes on:

(8 x 5 = 40)

1. Tennis elbow.
2. Spondylolisthesis.
3. Crutch palsy.
4. Osteo arthritis of knee.
5. Pseudo arthrosis of Tibia.
6. Stress fracture.
7. Recurrent dislocation of shoulder.
8. Hallux valgus.

III. Short answers on:

(10 x 3 = 30)

1. Diabetic ulcer of foot.
2. Osteo sarcoma.
3. Short wave diathermy.
4. Different phases of gait cycle.
5. Hemi vertebra.
6. Varicose veins.
7. Malunion.
8. Parts of wheelchair.
9. Isometric exercises.
10. Osteoporosis.

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Q.P. Code: 802413

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Government schemes for disabled persons.
2. Upper limb problems in hemiplegia.
3. Common deformities in Hansen's disease.

II. Write notes on:

(8 x 5 = 40)

1. Stress fractures.
2. Perthes disease.
3. Deformities in club foot.
4. Post polio residual paralysis.
5. Deformities in claw hand.
6. Pathological fractures of bone.
7. Dry gangrene.
8. Ewing sarcoma.

III. Short answers on:

(10 x 3 = 30)

1. Avascular necrosis of bone.
2. Short wave diathermy for therapy.
3. Hallux valgus.
4. Eccentric contraction of muscles.
5. Axillary nerve palsy.
6. Delayed union of fractures.
7. Lymphoedema.
8. Handicap.
9. Preprosthetic training.
10. Vocational counseling.

[LK 0217]

FEBRUARY 2017

Sub. Code :2413

**B.Sc. PROSTHETICS AND ORTHOTICS
SECOND YEAR
PAPER III – PHYSICAL MEDICINE AND REHABILITATION**

Q.P. Code: 802413

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Persons with disability act (PWD Act).
2. Management of wrist drop.
3. Common deformities in ankylosing spondylitis.

II. Write notes on:

(8 x 5 = 40)

1. Neuropathic foot.
2. Potts paraplegia.
3. Septic arthritis.
4. Motor neuron disease.
5. Crutch palsy.
6. Neurogenic claudication.
7. Diabetic foot ulcers.
8. Bony metastasis.

III. Short answers on:

(10 x 3 = 30)

1. Causes of Scoliosis.
2. Equinus of foot.
3. Microwave diathermy for therapy.
4. Isotonic exercises.
5. Klumpke's paralysis.
6. Malunion of fractures.
7. Thrombophlebitis.
8. Disability.
9. Community based rehabilitation.
10. Temporary prosthesis.

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SECOND YEAR
PAPER III – PHYSICAL MEDICINE & REHABILITATION

Q.P. Code: 802413

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 = 30)**

1. Define Stroke and explain the clinical features and the principles of stroke rehabilitation.
2. What is community based rehabilitation (CBR) and discuss the advantages and disadvantages?
3. Discuss in detail the complications of fracture healing and the steps to manage them.

II. Write notes on: **(8 x 5 = 40)**

1. Role of prosthetic and orthotic professional in the rehabilitation team.
2. Discuss the rehabilitation of manual labourer with post traumatic Paraplegia at L1 level.
3. Management of Ankylosing Spondylitis.
4. Rehabilitation principles for Duchenne Muscular Dystrophy.
5. Concessions and facilities for disabled persons given by Governments in India.
6. Common environmental and architectural barriers faced by disabled in India.
7. Exercises for Below Knee Stump.
8. Responsibilities of a Prosthetic and Orthotic professional in Community Based Rehabilitation.

III. Short answers on: **(10 x 3 = 30)**

1. Uses of Heat therapy in pain management.
2. Braces for Genu Valgum.
3. Boutinnaire deformity of the hand.
4. Treatment for Plantar fasciitis.
5. Signs and symptoms of Peripheral neuropathies.
6. Clinical features of Myotonic dystrophy.
7. Management of Avascular Necrosis of hip.
8. Treatment for Gouty arthritis.
9. Benefits of Vocational Rehabilitation.
10. Sexual problems of spinal cord injured patients.

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SECOND YEAR

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Q.P. Code: 802413

Time: Three hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on: **(3 x 10 = 30)**

1. Write in detail the rehabilitation procedures for an elderly below knee amputee due to Diabetes.
2. Name the common psychological issues of a disabled person and the principles of management.
3. Name the different tumours of the Bone. Write about the management of Osteogenic Sarcoma of the femur in young adult.

II. Write notes on: **(8 x 5 = 40)**

1. Different types of exercises used in rehabilitation.
2. Advantages and disadvantages of axillary crutches.
3. Importance of Occupational therapy in Rehabilitation.
4. Management of Osteoporosis.
5. Causes and treatment of Phantom pain in amputees.
6. Rehabilitation methods for a visually challenged amputee.
7. Classification of congenital skeletal limb deficiencies.
8. Responsibilities of a Prosthetic and Orthotic professional in Community Based Rehabilitation

III. Short answers on: **(10 x 3 = 30)**

1. Causes for gangrene in the foot.
2. Braces for Congenital Dislocation of hips
3. Types of Osteogenesis imperfecta.
4. Management of stump neuromas.
5. Uses of Telemedicine in CBR model
6. Uses of Lumbosacral corset.
7. Management of Limb Length Discrepancy.
8. Post traumatic stress disorder.
9. Management of Neurogenic bladder.
10. Pressure sore grading.