**MPT in Neurology [2nd Year]**

BF/2015/09

**Physical therapy in Neurological Conditions**

### MPN-201

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. What is Myopathy ? Explain in detail about the Physiotherapy Management of Myopathy in different stages.

***OR***

2. Explain Acute traumatic injuries of spinal cord. What are spinal cord infections and their Physiotherapy Management ?

## Section-B

***Note : All Questions are compulsory. Each carries 10 marks.***

**Short Essay**. 6x10=60

1. Explain acute and chronic Idiopathic polyneuritis in detail.

2. Write short notes on

1. Causalgia
2. Cauda equina
3. Temporal lobes

3. Discuss assessment and treatment of different types of stroke in brief.

4. Explain in brief

1. Meningitis
2. Dyskinesia disorders
3. Ataxia

5. Explain Physiotherapy management in prevention of cranial nerves disorders.

6. Discuss stroke causes, types and its prevention.

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**MPT in Neurology [2nd Year]**

BF/2015/09

**Physical Therapy in Neurosurgical Conditions**

### MPN-202

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Discuss the clinical features, surgical and physiotherapy management of a case with cerebellar astrocytoma .

***OR***

2. Classify Peripheral Nerve injuries? Discuss the surgical and physiotherapy management of a cchild with right wrist drop.

## Section-B

***Note : All Questions are compulsory. Each carries 10 marks.***

**Short Essay**. 6x10=60

1. Discuss the Wheel-chair modifications for a 21 years old male with spinal cord injury (c6 Level of lesion).

2. Write about the clinical manifestations and management of spinal canal stenosis.

3. What is Aneurysm. Write a note on its management.

4. What is ASIA Scale. Discuss briefly.

5. What are the various types of brain surgeries? Discuss their complications.

6. What is Glasgow Coma Scale. Explain briefly. How is it interpreted?

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**MPT in Neurology [2nd Year]**

BF/2015/09

**Physical Therapy in Paediatric Neurology Conditions**

### MPN-203

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Discuss in detail the developmental milestones of a child from birth up to 1 year of age. Write in detail the neonatal reflexes including their emergence, integration and importance.

***OR***

2. Discuss in detail the early intervention program for a premature baby in neonatal ICU.

## Section-B

***Note : All Questions are compulsory.***

**Short Essay**. 6x10=60

1. Discuss in detail the importance of breast feeding.

2. Discuss the PT management of birth injuries to brachial plexus.

3. Enumerate the various theories of motor control. Explain the dynamic systems theory in detail.

4. How will you differentiate between different types of muscular dystrophies.

5. What is dyslexia ? What are the various techniques to deal with a dyslexic child ?

6. Discuss the PT management of an ataxic CP child.

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**MPT in Orthopaedics [2nd Year]**

BF/2015/09

**Physical Therapy in Orthopedic Conditions**

### MPO-201

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Explain the physiotherapy management of grade II ACL injury of right knee joint.

***OR***

2. A male patient of 60 yr. has undergone total hip replacement surgery. Write its physiotherapy management & emphasis on precautions to be taken.

## Section-B

***Note : All Questions are compulsory. Each carries 10 marks.***

**Short Essay**. 6x10=60

1. Write in detail about Strength Duration curve and its significance in physiotherapy practice.

2. Explain cerebral palsy with its features and physiotherapy management.

3. Describe Congenital Dislocation of hip and explain various confirmatory tests used for it.

4. Describe below knee prosthesis in detail.

5. Write in detail about fracture shaft of humerus with its physiotherapy management.

6. Describe any four special tests used for confirmation of low back pain and mention about precautions to be taken for the patients.

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**MPT in Orthopaedics [2nd Year]**

BF/2015/09

**Spinal Disorders and Rehabilitation**

### MPO-202

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Describe the presentation, clinical features and management of idiopathic scoliosis. Also discuss about the post surgical physiotherapy for the same.

***OR***

2. Describe the presentation, clinical features and management of rheumatoid arthritis involving cervical spine.

## Section-B

***Note : All Questions are compulsory. Each carries 10 marks.***

**Short Essay**. 6x10=60

1. Write short notes on Burst fracture of lumbar spine.

2. Write short notes on Scheurmann’s kyphosis.

3. Describe briefly the causes of Fixed pelvic tilt and its management.

4. Write short notes on physiotherapy following surgery for herniated lumbar disc.

5. Write short notes on Frankel’s grading of paraplegia.

6. Write short notes on management of lumbar canal stenosis.

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**MPT in Orthopaedics [2nd Year]**

BF/2015/09

**Hand Rehabilitation**

### MPO-203

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

**Long Essay**. 1x20=20

1. Discuss the pathomechanics of RA hand and its management in detail.

***OR***

2. Prepare a treatment protocol for a 45 year old female patient with flexor tendon injury involving zone 1, 2, 3.

## Section-B

*Note : All Questions are compulsory.*

**Short Essay**. 6x10=60

1. Describe the hand deformities and their correction in Hansen’s disease. [10]

2.Describe the aetiopathology, types and management of hand in RSD. [10]

3. Describe the aetiopathology and treatment of carpal tunnel syndrome. [10]

4. Describe in detail the management of burns in hand. [10]

5. Discuss the features and management of spastic hand. [10]

6. Explain the management of scaphoid fracture in detail. [10]

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**MPT [2nd Year]**

BF/2015/09

**Skill Enhancing Studies**

**(Ethics, Educational Technology & Medico legal aspects)**

### MP-204/MPP-504

**[Common for all Specialties]**

### Time : 3 Hours. Max Marks =80

## Section-A

***Note : Attempt any one question which carries 20 marks.***

I. **Long Essay**. 1x20=20

1. Describe major philosophies of education in detail.

**OR**

2. Discuss physiotherapy education in India past, present and future.

## Section-B

***Note : All Questions are compulsory. Each carries 10 marks.***

II. **Short Essay**. 6x10=60

1. Current issues and trends in physiotherapy education.

2. Faculty development for physiotherapy services.

3. Describe various principles and methods of teaching.

4. Duties of institutional ethical committee.

5. Ethical issues in physical therapy.

6. Role of policies in physiotherapy department management.

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