



MK-10601

Seat No. _____

Fourth Year Bachelor of Physiotherapy Examination

July - 2016

Physiotherapy in Neuromuscular Conditions

Time : 3 Hours

[Total Marks : 100

- Instructions :**
- (1) Answers should be brief and to the point.
 - (2) Figures to the right indicate marks.
 - (3) Illustrate answers with suitable diagrams.
 - (4) Each section should be written in separate answer books.

SECTION - I

- 1 Long Essay : (Any Two) 2×10=20**
 - (1) Write in detail about the assessment and PT Management of Athetoid Cerebral Palsy.
 - (2) Describe the assessment and PT Management for a patient with Right MCA Stroke.
 - (3) Discuss the Assessment and physiotherapy management of Bell's Palsy.

- 2 Short Essays : (Any Two) 2×5=10**
 - (1) Stages of Poliomyelitis.
 - (2) Clinical Presentation of Limb Girdle Muscular Dystrophy.
 - (3) Charcot's Triad.

- 3 Write in Short : (Any Five) 5×2=10**
 - (1) Foot Drop
 - (2) Syringomyelia
 - (3) UMN Vs LMN Bladder
 - (4) Glove and Stocking Presentation in Diabetic Neuropathy
 - (5) Babinski Sign
 - (6) Knuckle Bender Splint.

4 Multiple Choice Questions : 10×1=10

- (1) Generalized Muscle Weakness associated with Cerebellar Lesion is termed as :
 - (a) Ataxia
 - (b) Asthenia
 - (c) Asynergia
 - (d) Akinesia
- (2) Gluteus Maximus weakness leads to :
 - (a) Trendelenburg gait
 - (b) Backward Lurching gait
 - (c) Waddling gait
 - (d) Antalgic Gait
- (3) The cause for the inferior humeral subluxation is :
 - (a) Loss of Passive Locking mechanism of shoulder
 - (b) Loss of postural Tone
 - (c) Loss of shoulder capsule
 - (d) All the above
- (4) Primary reflex control of bladder will arise from :
 - (a) S2, S3 and S4
 - (b) L1, L2, L3
 - (c) L3, L4, L-5
 - (d) L5, S1
- (5) The result of anterior spinal cord injury will be :
 - (a) Loss of pinprick, motor and temperature sensation.
 - (b) Loss of motor power of lower limb
 - (c) Paraplegia
 - (d) None
- (6) In Spinal Cord Injury, Spasticity will be present :
 - (a) above the level of injury
 - (b) at the level of injury
 - (c) below the level of injury
 - (d) none
- (7) In Parkinson's disease tremor disappear during :
 - (a) Rest
 - (b) Sleep
 - (c) Decreased equilibrium responses
 - (d) Paralysis
- (8) Phantom pillow syndrome is used to note the :
 - (a) posture in standing
 - (b) posture in prone lying
 - (c) posture in supine lying
 - (d) position of neck in supine lying

- (9) In cerebellar lesion when Truncal tremor will be seen, when :
- (a) patient is at rest
 - (b) attempting to sit or stand
 - (c) sleep
 - (d) None
- (10) In GBS weakness starts :
- (a) From legs to hands
 - (b) From face to trunk
 - (c) From back to feet
 - (d) Elsewhere at the same time

SECTION - II

- 1 Long Essay : (Any Two) 2×10=20**
- (1) Write in detail about the assessment and PT Management of Multiple Sclerosis.
 - (2) Describe the assessment and PT Management for a patient with Amyotrophic Lateral Sclerosis.
 - (3) Discuss the Physiotherapy Assessment and Management of Posterior Cord Syndrome.
- 2 Short Essays : (Any Two) 2×5=10**
- (1) Cardinal Features of Parkinson's Disease
 - (2) Clinical Presentation of GBS
 - (3) Brainstem Syndromes
- 3 Write in Short : (Any Five) 5×2=10**
- (1) Chorea
 - (2) Lhermitte's Sign
 - (3) Romberg's Test
 - (4) Slump Test
 - (5) Abdominal Reflex
 - (6) Types of Aphasia
- 4 Multiple Choice Questions : 10×1=10**
- (1) The MS demyelination results in :
 - (a) slow conduction of nerve impulses
 - (b) visual defects
 - (c) bilateral lower limb weakness.
 - (d) (a) and (c)

- (2) The common symptoms of MS are :
- (a) Blindness
 - (b) In co-ordination
 - (c) Paraesthesia
 - (d) all of the above
- (3) The unwanted movement will be reduced by :
- (a) Feedback
 - (b) Correction
 - (c) Adding resistance
 - (d) None
- (4) In DMD during Acute phase which type of strengthening exercise should be given ?
- (a) Low resistance high repetition
 - (b) High resistance high repetition
 - (c) High resistance low repetition
 - (d) Low resistance low repetition
- (5) The highest incidence of GBS in the year is during :
- (a) Summer
 - (b) Winter
 - (c) Autumn
 - (d) None of the above
- (6) During acute stage of DMD, the child will be having :
- (a) delayed milestones
 - (b) walking difficulty
 - (c) weakness of muscles
 - (d) None
- (7) Pain in Peripheral Nerve Lesion is best treated with :
- (a) SWD
 - (b) US
 - (c) IFT
 - (d) TENS
- (8) Tinel sign is used to
- (a) know the extent of regeneration
 - (b) know the type of injury
 - (c) know the muscle power
 - (d) None of the above
- (9) The specific complication of Right side stroke will be:
- (a) Disorganization of given task
 - (b) Aphasia
 - (c) Impulsive
 - (d) (a) and (b)
- (10) Function of Frontal lobe is :
- (a) Emotional response
 - (b) Personality
 - (c) Social behavior
 - (d) all of the above