

RC-10601

Seat No.

Fourth Year B. Physiotherapy Examination February - 2019

Physiotherapy in Neuromuscular Condition

Time: 3 Hours [Total Marks: 100

Instructions:

- 1. The answers should be specific to the questions asked.
- 2. Draw neat labled diagram wherever necessary.
- 3. Each section should be written in spate main answer book.
- 4. Answer all the questions.

SECTION - I

1 Long essay: (answer any two)

- $2 \times 10 = 20$
- 1. Describe in details about ipsilateral pushing syndrome and its physiotherapy management physiotherapy management.
- 2. Describe the detailed assessment of spastic cerebral palsy and its physiotherapy management.
- 3. Explain in detail about physiotherapy management cerebellar ataxia.
- 2 Write in short: (answer any two)

 $2 \times 5 = 10$

- 1. Spina bifida
- 2. Autonomic dysreflexia
- 3. Functional scales used for multiple sclerosis.
- 3 Write in short: (answer any five)

 $5 \times 2 = 10$

- 1. Dynamic gait index
- 2. Glossopharyngeal breathing
- 3. Wrist drop
- 4. Ape thumb deformity
- 5. Rigidity
- 6. Facial palsy.

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- 1. A 66-year-old woman complains of stiffness and weakness climbing stairs. She has a history of hypertension and diet-controlled type 2 diabetes. On examination, there is mild upper arm weakness, hip flexion is 4/5 bilaterally, with bilateral wasting and, fickers of fasciculations in the right quadriceps. Knee extension is 4/5. Dorsiflexion and plantar flexion are strong. Brisk knee and ankle reflexes are elicited, as well as a positive Hoffman's and Babinski's sign. Sensory examination and cranial nerves are normal. Her BM is 8.9, her pulse is regular and her blood pressure is 178/97. What is the most likely diagnosis?
 - a. MCA stroke
- b. Myasthenia gravis
- c. Diabetic neuropathy
- d. Motor neurone disease
- 2. A 23-year-old man is stabbed in the neck. Once stabilized, his MRI shows a right hemisection of the cord at C6. What is the expected result of this injury?
 - a. Paralysed diaphragm
 - b. Absent sensation to temperature in the left hand
 - c. Paralysis of the left hand
 - d. Brisk right biceps reflex
- 3. Which of the following would be an iatrogenic cause for a spinal cord injury?
 - a. Neurosyphilis
- b. Lumbar puncture
- c. Road traffic accident
- d. Motor neurone disease
- 4. Bovine cough indication of
 - a. Vocal cord palsy
- b. Facial nerve lesion
- c. Hypoglossal nerve lesion d. Larvngeal problem
- On examination, a patient has 5/5 power in all muscle groups of his upper limbs, 0/5 power in all the muscle groups of his lower limbs. Cranial nerves are intact. Where is the lesion?
 - a. Muscle

- b. Neuromuscular junction
- c. Peripheral nerve
- d. Spinal cord
- 6. Eye movement used to maintain fixation on a moving object
 - a. Saccadic eye movement b. Pursuit eye movement
 - c. Vestibule positional
- Convergence
- 7. Stapedius muscle supplied by
 - a. 6th cranial nerve
- b. 7th cranial nerve
- c. 8th cranial nerve
- d. 9th cranial nerve

	8.	On examination, a patient has 5/5 power limbs, 0/5 power in his lower limbs. Further reveals a sensory level at the umbilicus. Further examinates are intact. Where is the lesion a. C4 b. T4 c. T10 d. L1	er examination
	9.	Rhomberg's sign positive indicates a. Cerebellar ataxia b. Senso c. Tremor d. Chore	ory ataxia ea
	10.	a. Cock up splint b. Pan	
		SECTION - II	
5	Lon 1. 2. 3.	A 34 year male suffered with incomple injury at the D4 level, describe the assessment and management for this pA 73 year old man admitted in ICU for nartery stroke, describe the physiotherap and management in ICU. Write down the physiotherapy ass management for erb's palsy.	physiotherapy patient. niddle cerebral py assessment
6	Wri 1. 2. 3.	ite in short : (answer any two) Duchene Muscular Dystrophy. Amyotrophic lateral sclerosis. ASIA scale.	2×5=10
7	Wri 1. 2. 3.		5×2=10 nia. nitte's sign. g's sign.
8	Mul 1.	ltiple choice questions: The Barthel's Index is used to measu following a. Muscle strength b. Endu: c. Functional abilities d. Co-ord	
	2.	Streognosis is a. Ability to recognize objects by feel and b. Ability to hear c. Ability to move joints d. Ability to do ballistic movement	d manipulation
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3.	Froment sign is a. Ability to grasp a book between thumb and index finger b. Ability to write c. Ability to hold d. Ability to speak			
4.	Tensilon test is diagnostic of one of the following diseases a. Alzheimer's disease b. Myasthenia gravis c. Parkinson's disease d. Multiple sclerosis			
5.	Egava's test is used to assess a. Ulnar nerve b. Dorsal interossei c. Both d. Radial nerve			
6.	Charcot's joint present in a. Diabetic neuropathy b. Stroke c. Multiple sclerosis d. Motor neurone disease			
7.	Which of the following findings would be the first to occur in duchenne muscular dystrophy. a. Distal muscle weakness b. Proximal muscle weakness c. Impaired respiratory function d. Inability to perform activities of daily living			

- 8.
 - The therapist assists the stroke patient in lateral weight shifting activities while positioned on elbows. Which therapeutic technique would allow the patient

to improve dynamic stability with this activity.

- a. Alternation isometrics
- Approximation b.
- Rhythmic initiation c.
- d. Timing for emphasis
- 9. Narrow base of support, short bilateral step length and decreased trunk rotation gait pattern is present in
 - **CVA** a.

b. Parkinson's disease

Post polio syndrome

- d. Multiple sclerosis
- A patient with cerebellar dysfunction exhibits signs of dysmetria. Which of the following activities would be the most difficult for the patient?
 - Rapid alternation pronation and supination of the forearms
 - b. Placing feet on floor markers while walking
 - Walking at various speeds c.
 - d. Marching in place