

2nd Semester 1432 – 1433 H
Final Exam RHS 332 Neurology (Practical)
Physical Therapy Program
Health Rehabilitation Science Department
College of Applied Medical Sciences
King Saud University

Student Name _____

Student University Number _____

Q 1. State whether the statement is true or false by write TRUE or FALSE in front of each statement.

- 1 – The sensory pathway for Deep touch sensation is the Lateral spino-thalamic Tract and will result in Ipsilateral loss (False)
- 2- The sensory pathway for Pain & temperature sensation is the Lateral spino-thalamic Tract and will result in Contralateral loss (True)
- 3- The sensory pathway for Pain & temperature sensation is the Anterior spino-thalamic tract and will result in Contralateral loss (False)
- 4- The sensory pathway for Nondiscriminative touch sensation is the Anterior spino-thalamic tract and will result in Ipsilateral loss (False)
- 5- The sensory pathway for vibration sensation is the Posterior (dorsal)columns tract and will result in Ipsilateral loss (True)
- 6- A pathology in the Ventral corticospinal tract will result in Spasticity in the contralateral side (False)
- 7- A key sensory area for C3 is Top of Acromioclavicular joint (False)
- 8- Lateral corticospinal tract is responsible for involuntary movement in the contralateral limb (False)
- 9- The negative reaction in testing the plantar reflex is flexion of all toes (True)
- 10- Cranial Nerve 11 (XI) the Accessory Nerve is tested by Ask the patient to abduct their shoulders (False)
- 11- The function of the Hypoglossal nerve is tongue movement (True)
- 12- Drawing a circle by the foot in the air is one of the balance assessment items (False)
- 13- In deep Tendon reflex, the C5-C6 segments is tested through Triceps muscle reflex (False)
- 14- In deep Tendon reflex, the C5-C6 segments is tested through Brachioradialis muscle reflex (True)

- 15- A key sensory area for C8 is the little finger (True)
- 26- A key muscle for the L2 level is hip flexors (True)
- 17- Grade 4+ in reflexes indicate a very brisk and hypoactive pathology (False)
- 18- In Edema Rating scale 2+ is a description of a moderate pitting edema with indentation of more than 5mm the subsides slowly (False)
- 19- A positive reflex while doing the abdominal reflex is a localized contraction causing umbilicus to move away from the stimulus (False)
- 20- A key sensory area for S1 is the medial heel (False)
- 21- Apraxia is lack of coordination in articulation speech (False)
- 22- Diplopia is double of vision (true)
- 23- Clonus is a sustained reflex activity (True)
- 24- Hemiplegia is a paralysis of lower extremities (false)
-

Q2- Choose the most appropriate answer for each question

1- Traumatic brain injuries can result in.

I- two types of concussion

II- three types of concussion

III- Four types of concussion

2- Simple TBI concussion resolves without complication over.

I- over 4 to 6 days

II- over 1 to 3 days

III- over 7 to 10 days

3- Amyotrophic Lateral Sclerosis is characterized by:

I- Unilateral damage to cerebellar hemisphere

II- autosomal dominant pattern

III- Chronic degenerative CNS disorder affected peripheral nerve

IV- None of the above

4- Huntington's Disease often presents between ages.

I- 35 & 42

II- 30&34

III- 25&32

IV- None of the above

5- Multiple Sclerosis present in.

I- three types

II- two types

III- four types

IV- one types

6- The Guillain-Barre Syndrome is:

I- an acute inflammatory disease

II- result in demyelination or axonal degeneration

III- all the above

IV- none of the above

7- A key sensory area for C7 is:

I- thumb

II- Little finger

III- Nipple line

IV- Middle finger

8- A key muscle for the L3 level is:

I- Hip flexors

II- Knee flexors

III- Hip abductors

IV- None of the above

Q 3 -Please outline the main heading of your assignment in brief point

The title:

1-

2-

3-

4-

5-

6-

7-

8-

Good Luck