

PRACTICE QUESTIONS FOR OVERVIEW OF NERVOUS SYSTEM LECTURE

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- ____ 1. Cell bodies of sensory neurons of a spinal nerve are located in
- A. ventral horn of spinal cord.
 - B. lateral horn of spinal cord.
 - C. dorsal horn of spinal cord.
 - D. dorsal root ganglia.
 - E. ventral root of spinal nerve.
- ____ 2. A ventral ramus (ventral primary ramus) of a spinal nerve can contain
- A. somatic sensory fibers to skin of upper limb.
 - B. somatic sensory fibers to skin of back.
 - C. somatic motor fibers to intrinsic (deep) back musculature.
 - D. somatic motor fibers to muscles of upper limb.
 - E. somatic sensory fibers to skin of upper limb **and** somatic motor fibers to muscles of upper limb.
- ____ 3. In the adult, the spinal cord ends at vertebral level
- A. L1
 - B. L3
 - C. S1
 - D. S2
 - E. Co1
- ____ 4. The epidural space contains
- A. cerebrospinal fluid.
 - B. dorsal rootlets
 - C. internal vertebral venous plexus.
 - D. ventral rootlets
 - E. denticulate ligaments.
- ____ 5. The dura mater forms a blind sac, which in adults terminates caudally at vertebral level
- A. L1.
 - B. L2.
 - C. L3.
 - D. S2.
 - E. Co1 (first coccygeal vertebra).
- ____ 6. A lumbar puncture will pierce all of the following structures or spaces EXCEPT the
- A. pia mater.
 - B. dura mater.
 - C. epidural space.
 - D. ligamentum flavum.
 - E. supraspinous ligament.

____ 7. The filum terminale is

- A. formed of arachnoid mater and attaches inferiorly at L2.
- B. formed of pia mater and attaches inferiorly at L2.
- C. formed of arachnoid mater and attaches inferiorly at Co1.
- D. formed of pia mater and attaches inferiorly at Co1.
- E. formed of dura mater and ends at S2.

____ 8. A patient complains of numbness over the region of the little finger of the hand on the palmar surface. This could be a sign of herniation of an intervertebral disc located between vertebrae

- A. C3-C4
- B. C4-C5
- C. C5-C6
- D. C6-C7
- E. C7-T1

____ 9. The denticulate ligaments are used as surgical landmarks because they are found

- A. between the dorsal rootlets and ventral rootlets of spinal nerves
- B. between the dorsal rami and ventral rami of spinal nerves
- C. between the dorsal horn and ventral.
- D. in the epidural space.
- E. in the intervertebral foramina.

Answers

- 1. D
- 2. E
- 3. A
- 4. C
- 5. D
- 6. A
- 7. D
- 8. E
- 9. A