**2 Neuroanatomy and Brain Mapping: Multiple Choice Questions for Students**

1. Which of the following is not an anatomical term

1. posterior
2. sagittal
3. medial
4. crown

Answer D

2. The hindbrain consists of the

1. myelencephalon and metencephalon
2. mylinated cepalon and metencephalon
3. mesencephalon and metencephalon
4. myelencephalon and mesencephalon

Answer A

3. The \_\_\_\_\_ plays a role in sight and regulating eye movements.

1. brain stem
2. inferior colliculus
3. superior colliculus
4. medial colliculus

Answer C

4. In which area of the brain does the amygdala reside?

1. the substantia nigra
2. the brain stem
3. the limbic system
4. the red nucleus

Answer C

5. \_\_\_\_\_ is situated between the temporal and parietal lobes and is integral for language comprehension.

1. Wernicke’s area
2. Broca's area
3. fusiform area
4. angular area

Answer A

6. In humans, there are traditionally \_\_\_\_\_ pairs of cranial nerves.

1. 10
2. 11
3. 12
4. 13

Answer C

1. Which of the following is *not* true of cerebral dialysis
   1. it’s used to take measurements of the concentration of specific neurochemicals
   2. it involves implanting a fine microdialysis probe
   3. it uses chromatograph to detect of neurotransmitter substances
   4. it can only be done post-mortem

Answer D

1. MEG stands for
   1. memory encephalogram
   2. meta electrical generator
   3. mini encephalogram
   4. magneto encephalogram

Answer D

1. Dizygotic refers to
2. twins who have exactly 50% genetic material in common
3. identical twins
4. the genetic relationship between a mother and child
5. a genetic abnormality leading to brain damage

Answer A

10 Which of the following techniques means at post-mortem?

* 1. ex vitro
  2. ex vivo
  3. in vivo
  4. none of the above

Answer B