**Anatomy Practice Questions: Exam V (Final)**

**1.** Functions of the **respiratory** **system** include all of the following except:

**a)** provides surface area for gas exchange

**b)** sound production

**c)** moving air in and out of lungs

**d)** activating the reticular system

**e)** protecting lung surface from dehydration

**2.** Which of the following belongs to the **conduction portion** of the upper respiratory tract?

**a)** nasopharynx

**b)** trachea

**c)** respiratory bronchioles

**d)** oral cavity

**e)** bronchioles

**3.** Which of the following is lined by **simple cuboidal epithelium**?

**a)** terminal bronchioles **b)** alveoli **c)** bronchioles **d)** tertiary bronchi **e)** respiratory bronchioles

**4.** Which of the paired cartilages sits directly on another paired cartilage that sits on the cricoid cartilage?

**a)** thyroid **b)** corniculate **c)** epiglottis **d)** arytenoids **e)** cuneiform

**5.** Which of the following are features that **increase** **surface area** in the small intestine?

**a)** taeniae coli **b)** rugae **c)** plicae circulares **d)** cilia **e)** c and d

**6.** The compact arrangement of **capillaries** within the Bowman’s capsule of the **nephron** is called the

**a)** glomerular capsule

**b)** Bowman’s space

**c)** renal corpuscle

**d)** glomerulus

**e)** peritubular capillaries

**7.** Which of the following statements is true about the **small intestine**?

**a)** its epithelial lining has microvilli

**b)** it is the primary site of mechanical digestion of most nutrients

**c)** it is entirely retroperitoneal

**d)** the initial (most proximal) of its 3 regions is only about 12 feet in length

**e)** it is held in place by the mesocolon

**8.** Which of the following statements about the **stomach** are accurate?

**1.** There are four (4) different musclelayers in its tunica muscularis externa.

**2.** The pH can be as low as 2 in the stomach.

**3.** The pH can be as high as 8 in the stomach.

**4.** The pyloric sphincter controls gastric emptying.

**5.** The greater omentum drapes off of the greater curvature of the stomach.

**a)** 1, 2, 3  **b)** 2, 4, 5 **c)** 3, 4  **d)** 5, 1 **e)** 5 only

**9.** The region of the G.I. tract that is characterized by an abundance of **mucus glands** is the

**a)** duodenum **b)** stomach **c)** large intestine **d)** cecum **e)** esophagus

**10.** If you were to compare the **nephrons** of a platypus and a kangaroo rat, you’d find that

**a)** thenephron structures are the same, but the kangaroo rat has twice the number of nephrons

**b)** in the kangaroo rat, the distal convoluted tubule is longer

**c)** in the platypus, the loop of Henle is longer

**d)** in the kangaroo rat, the loop of Henle is longer

**11.** The **clotting proteins** that are a component of semen are secreted from what structure?

**a)** testis **b)** prostate gland **c)** Cowper'sgland **d)** seminal vesicles **e)** Bartholin’s gland

**12.** **Fertilization** of the egg cell (oocyte) usually occurs in the

**a)** vagina **b)** cervix **c)** uterus **d)** ovaries  **e)** uterine tubes

**13.** The ligament that attaches to the **ovary** from the fundic aspect of the uterus is the \_\_\_\_\_\_\_\_ ligament.

**a)** broad **b)** suspensory **c)** ovarian **d)** round **e)** uterine

**14.** Which sequence, from inside to outside, best represents the **histology of the uterus**?

**a)** stratum functionalis, stratum basalis, myometrium, perimetrium

**b)** myometrium, perimetrium, stratum functionalis, stratum basalis

**c)** stratum basalis, stratum functionalis, myometrium, perimetrium

**d)** stratum basalis, stratum functionalis, perimetrium, myometrium

**Answer Key**:

1. D
2. A
3. E
4. B
5. C
6. D
7. A
8. B
9. C
10. D
11. B
12. E
13. C
14. A