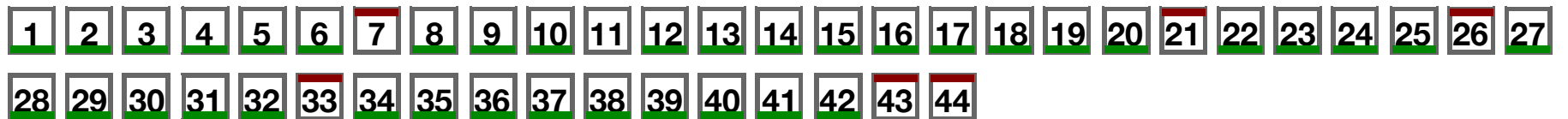


ANAT 100 Anatomy of the Human Body CDS NS16

Quiz navigation



Show one page at a time

Finish review

Started on Tuesday, 21 June 2016, 7:49 AM

State Finished

Completed on Tuesday, 21 June 2016, 9:13 AM


Time taken 1 hour 24 mins

Grade 41.50 out of 50.00 (83%)

Question 1

Correct

Mark 1.00 out of 1.00

 Flag question

How do the cells of the adrenal medulla differ from other glandular cells?

Select one:


- a. They are modified parasympathetic ganglion
- b. They form from modified sympathetic ganglionic neurons ✓
- c. They do not differ from other cells
- d. They are cells that have migrated from the kidney

The correct answer is: They form from modified sympathetic ganglionic neurons

Question **2**

Correct

Mark 1.00 out of 1.00

 Flag question

Hormones can be classified based upon chemical structure as

Select one:


- a. Steroids
- b. More than one of the answer options ✓
- c. Carbohydrate derivatives
- d. Amino acids and peptides

The correct answer is: More than one of the answer options

Question **3**

Correct

Mark 1.00 out of 1.00

 Flag question

Which structure of the ear would be impaired in a disease that causes dizziness?

Select one:


- a. Cochlea
- b. Ossicles
- c. Tympanic membrane
- d. Semicircular canals ✓

The correct answer is: Semicircular canals

Question 4

Correct

Mark 1.00 out of 1.00

 Flag question

From lateral to medial, the order of ossicles is

Select one:


- a. Incus, Malleus, Stapes
- b. Malleus, stapes, Incus
- c. Stapes, Malleus, Incus
- d. Malleus, Incus, Stapes ✓

The correct answer is: Malleus, Incus, Stapes

Question 5

Correct

Mark 1.00 out of 1.00

 Flag question

What is the functional modality of the olfactory nerve?

Select one:


- a. Autonomic
- b. Motor
- c. Sensory ✓
- d. Mixed

The correct answer is: Sensory

Question 6

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following statements describes the ventral root of the spinal cord?

Select one:


- a. Brings sensory information to the cord.
- b. Brings motor information to the cord.
- c. Takes motor information away from the cord. ✓
- d. Takes sensory information away from the cord.

The correct answer is: Takes motor information away from the cord.

Question 7

Incorrect

Mark 0.00 out of 1.00

 Flag question

What is a function of the thyroid follicle?

Select one:


- a. Store hormones from the anterior pituitary gland.
- b. Synthesize parathyroid hormone
- c. Synthesize thyroglobulin
- d. Manufacture and immediate release of thyroid hormones. ✗

The correct answer is: Synthesize thyroglobulin

Question 8

Correct

Mark 1.00 out of 1.00

 Flag question

What structure does the tail of the pancreas make contact with?

Select one:


- a. Spleen ✓
- b. Duodenum (small intestine)
- c. Kidney
- d. Stomach

The correct answer is: Spleen

Question 9

Correct

Mark 1.00 out of 1.00

 Flag question

The motor nervous system consists of how many subdivisions?

Select one:


- a. 2 ✓
- b. 3
- c. 0
- d. 1

The correct answer is: 2

Question 10

Correct

Mark 1.00 out of 1.00

 Flag question

The zona glomerulosa is so named because its glandular cells are arranged as

Select one:


- a. A highly branched system
- b. Longitudinal cords
- c. Tight cluster of cells ✓
- d. Individual cells surrounded by a matrix

The correct answer is: Tight cluster of cells

Question 11

Complete

Mark 0.50 out of 3.00

 Flag question

The diameter of the spinal cord changes along its entire length. Where and why do we observe these important changes? **(3 marks)**

The regions of the spinal cord are: Cervical (C1-C7), thoracic (T1-T12), lumbar (L1-L5), sacral (S1- S5) and the coccygeal.

The cervical portion of the spine is the smallest as they are responsible for supporting the neck and head. They also protect the brain stem.

The next portion of the spine, the thoracic region gets a little bit larger as there is more of the body to support. They also have longer spinous process than cervical vertebrae. The rib attachments also create strength for the thoracic vertebrae. This section of the spinal cord is actually the most stable.


The Lumbar portion of the vertebrae are much larger as they are designed to carry most of the body's weight. Each section of these vertebrae are bigger, wider and broader than the components in the cervical and thoracic regions.

The sacrum is shaped like a triangle and connects the spinal cord to the pelvis.

Question **12**

Correct

Mark 1.00 out of 1.00

 Flag question

When hearing a loud noise, the nerve bringing the information to the central nervous system is _____ in structure and carries _____ information.

Select one:


- a. Unipolar and Efferent
- b. Bipolar and Afferent ✓
- c. Unipolar and Afferent
- d. Bipolar and Efferent

The correct answer is: Bipolar and Afferent

Question **13**

Correct

Mark 1.00 out of 1.00

 Flag question

Which type of cell in the Islets of Langerhans produce insulin?

Select one:


- a. Delta
- b. Alpha
- c. F- cell
- d. Beta ✓

The correct answer is: Beta

Question **14**

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following structures of the eye is avascular?

Select one:


- a. Lens ✓
- b. Iris
- c. Ciliary Body
- d. Choroid

The correct answer is: Lens

Question **15**

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following prevents brain impact against the interior of the skull?

Select one:


- a. Cranial meninges ✓
- b. Cranial ventricles
- c. Denticulate ligaments
- d. Choroid plexus

The correct answer is: Cranial meninges

Question **16**

Correct

Mark 1.00 out of 1.00

 Flag question

From superficial to deep, the layers of the eye are

Select one:


- a. Sclera, Choroid, Retina ✓
- b. Choroid, Sclera, Retina
- c. Retina, Choroid, Sclera
- d. Sclera, Retina, Choroid

The correct answer is: Sclera, Choroid, Retina

Question **17**

Correct

Mark 1.00 out of 1.00

 Flag question

Which hormone is produced in the adrenal medulla?

Select one:


- a. Mineralocorticoids
- b. Adrenaline ✓
- c. Androgens
- d. Glucocorticoids

The correct answer is: Adrenaline

Question **18**

Correct

Mark 1.00 out of 1.00

 Flag question

Components of the peripheral nervous system include

Select one:


- a. Only sensor nerves
- b. All neural tissue outside of the central nervous system ✓
- c. The nerve tissues of the brain and spinal cord only
- d. All of the nervous tissues

The correct answer is: All neural tissue outside of the central nervous system

Question **19**

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following does **not** apply to the structure of the adrenal cortex?

Select one:

- a. It is yellow in color because of the presence of lipids
- b. It consists of three different layers
- c. If one zone is damaged, the others can take over its function ✓
- d. Each zone synthesizes different hormones

The correct answer is: If one zone is damaged, the others can take over its function

Question **20**

Correct

Mark 1.00 out of 1.00

 Flag question

What is the name of the deep crease on the ventral surface of the spinal cord?

Select one:


- a. Posterior median sulcus
- b. Posterior median fissure
- c. Anterior median sulcus
- d. Anterior median fissure ✓

The correct answer is: Anterior median fissure

Question **21**

Incorrect

Mark 0.00 out of 1.00

 Flag question

Which statement is true regarding column location within the spinal cord?

Select one:


- a. The posterior white columns are located between the posterior and anterior gray horns. ✗
- b. The anterior white columns lie between the anterior gray horns and the anterior median fissure.
- c. The columns are completely independent of one another along the length of the spinal cord.
- d. There is no white matter on the sides of the spinal cord between the anterior and posterior columns.

The correct answer is: The anterior white columns lie between the anterior gray horns and the anterior median fissure.

Question **22**

Correct

Mark 1.00 out of 1.00

 Flag question

What is a function of an astrocyte?

Select one:


- a. Phagocytosis of neural debris and pathogens.
- b. Myelination of neurons in the central nervous system.
- c. Movement of CSF through the nervous system.
- d. Maintenance of the blood brain barrier. ✓

The correct answer is: Maintenance of the blood brain barrier.

Question **23**

Correct

Mark 1.00 out of 1.00

 Flag question

Where would you expect to find bipolar neurons?

Select one:


- a. Cerebellum
- b. Eye ✓
- c. Cerebrum
- d. Spinal cord

The correct answer is: Eye

Question **24**

Correct

Mark 1.00 out of 1.00

 Flag question

The thyroid gland is located just anterior to what structure?

Select one:


- a. Esophagus
- b. Trachea ✓
- c. Larynx
- d. Heart

The correct answer is: Trachea

Question **25**

Correct

Mark 1.00 out of 1.00

 Flag question

The anatomical structural subdivisions of the nervous system are the

Select one:


- a. Central and peripheral nervous systems ✓
- b. Dorsal and ventral nervous systems
- c. Appendicular and axial nervous systems
- d. Sympathetic and parasympathetic nervous systems

The correct answer is: Central and peripheral nervous systems

Question **26**


Incorrect

Mark 0.00 out of 1.00

 Flag question

What is the origin of the sympathetic nervous system?

Select one:


- a. Craniosacral
- b. Dorsoventral
- c. Pre and post ganglionic 
- d. Thoracolumbar

The correct answer is: Thoracolumbar

Question **27**


Correct

Mark 1.00 out of 1.00

 Flag question

The endocrine system works in conjunction (mainly) with the _____ system.

Select one:


- a. GI
- b. Digestive
- c. Nervous 
- d. Urinary

The correct answer is: Nervous

Question 28

Correct

Mark 1.00 out of 1.00

 Flag question

Which of the following statements best represents the cerebellum?

Select one:


- a. It is involved in limb movements. ✓
- b. It has an outer layer of gray matter called the cerebral cortex.
- c. It is located anterior to the brain stem.
- d. It is connected to the brain by the medulla oblongata.

The correct answer is: It is involved in limb movements.

Question 29

Correct

Mark 1.00 out of 1.00

 Flag question

The chief cells of the parathyroid gland monitor

Select one:


- a. Blood phosphate levels
- b. Blood calcium levels ✓
- c. Calcitonin levels
- d. Blood glucose levels

The correct answer is: Blood calcium levels

Question 30

Correct

Mark 1.00 out of 1.00

 Flag question

What is the functional modality of CN XI?

Select one:


- a. Sensory
- b. Mixed
- c. Motor ✓
- d. Autonomic

The correct answer is: Motor

Question **31**

Correct

Mark 1.00 out of 1.00

 Flag question

The _____ is attached to the superior border of the kidney?

Select one:

- a. Pancreas
- b. Stomach
- c. Adrenal ✓
- d. Thyroid

The correct answer is: Adrenal

Question **32**

Complete

Why do your ears “pop” when you are in an airplane and explain what happens anatomically. **(2 marks)**

Pops occur within the air due to atmospheric pressure changes. When you are walking around in every day life the air is more dense than when you are in the air in an airplane. This is due to the air above the Earth's surface pushing down.

There is air trapped inside your ear. The pressure of the air within your ear is equal to the pressure of the air around you to help you hear. As you go to an area of with a lower atmospheric pressure you will feel the air within your ear begin to press on your eardrum. The Eustachian tube is responsible for equalizing pressure between the inside and outside of the ear. It opens when you swallow. When the pressure eventually equalizes you hear a "pop"

Question 33

Incorrect

Mark 0.00 out of 1.00

What are two regions of the anterior pituitary?

Select one:

- a. Pars distalis and pars intermedia
- b. Pars nervosa and pars distalis
- c. Adenohypophysis and neurohypophysis **✗**
- d. Neurohypophysis and infundibulum

The correct answer is: Pars distalis and pars intermedia

Question 34

Correct

Mark 1.00 out of 1.00

The endocrine portion of the pancreas releases its hormones into

Select one:

- a. The abdominal cavity
- b. Ducts
- c. The small intestine
- d. Blood vessels ✓

The correct answer is: Blood vessels

Question 35

Complete

Mark 3.00 out of 3.00

Flag question

Regarding the pancreas, thyroid gland, and the adrenal gland, specify each as either endocrine, exocrine or mixed gland and provide an example of a hormone secreted by each organ. **(2 marks)** What is different between the endocrine gland and exocrine gland in the way their content is secreted to their effector organ? **(1 marks)**

Pancreas: Exocrine and endocrine, mixed gland. An example of a hormone secreted by the pancreas is insulin.

Thyroid gland: Endocrine. An example of a thyroid gland hormone is thyroxine.


Adrenal gland: Endocrine. An example of an adrenal gland hormone is estrogen.

Endocrine glands are glands that produce and secrete their hormones directly into the blood stream. Exocrine glands produce and secrete their hormones onto an epithelial surface through a duct. An example of an exocrine gland is a sweat gland.

Question 36

Correct

Mark 1.00 out of 1.00

 Flag question

Which order of structures correctly represents the direction of visual information to the brain?

Select one:


- a. Ganglion cells, bipolar cells, rods and cones, optic nerve
- b. Optic nerve, ganglion cells, bipolar cells, rods and cones
- c. Rods and cones, bipolar cells, ganglion cells, optic nerve ✓
- d. Optic nerve, rods and cones, bipolar cells, ganglion cells

The correct answer is: Rods and cones, bipolar cells, ganglion cells, optic nerve

Question **37**

Correct

Mark 1.00 out of 1.00

 Flag question

Which statement best represents the parasympathetic division of the autonomic system?

Select one:

- a. Neurons have a greater range of effects compared to the sympathetic division.
- b. Preganglionic neurons can be found in the brain stem. ✓
- c. Ganglionic neurons are located in the parasympathetic chain.
- d. Preganglionic neurons can be found in the lumbar segments of the spinal cord.

The correct answer is: Preganglionic neurons can be found in the brain stem.

Question **38**

Complete

After suffering a stroke, John finds that he cannot move his right arm. Where in the brain might one expect damage to have occurred (be specific)? **(2 marks)**

Due to the fact that movement and sensation of the body is controlled by the opposite side of the brain we can suspect that the damage occurred on the left side of John's brain. More specifically, the primary motor cortex located within the frontal lobe of the brain is responsible for generating neural impulses that control execution of movement. Therefore, we can assume that damage took place within the left side of John's frontal lobe.

Question 39

Correct

Mark 1.00 out of 1.00

What type of nerve axon innervates voluntary skeletal muscle fibers in the leg?

Select one:

- a. Visceral
- b. Preganglionic
- c. Postganglionic
- d. Somatic ✓

The correct answer is: Somatic

Question 40

Correct

Mark 1.00 out of 1.00

Which lobes of the brain are separated by the central sulcus?

Select one:


- a. Frontal from Temporal
- b. Parietal from Temporal
- c. Frontal from Parietal ✓
- d. Parietal from Occipital

The correct answer is: Frontal from Parietal

Question **41**

Correct

Mark 1.00 out of 1.00

 Flag question

The Eustachian tube connects the middle ear to the

Select one:


- a. Laryngopharynx
- b. Oropharynx
- c. Nasopharynx ✓
- d. Inner ear

The correct answer is: Nasopharynx

Question **42**

Correct

Mark 1.00 out of 1.00

 Flag question

Where are visceral motor neurons located?

Select one:


- a. Anterior horn
- b. Lateral horn ✓
- c. Posterior horn
- d. Gray commissure

The correct answer is: Lateral horn

Question **43**

Incorrect

Mark 0.00 out of 1.00

 Flag question

The axon hillock contains

Select one:


- a. R.E.R. ✗
- b. Mitochondria
- c. Nucleus
- d. S.E.R.

The correct answer is: Mitochondria

Question **44**

Incorrect

Mark 0.00 out of 1.00

 Flag question

Which of the listed arteries is supplied by the internal carotid artery?

Select one:

- a. Basilar

b. Anterior communicating ❌

c. Post communicating

d. Vertebral

The correct answer is: Post communicating

Finish review

 Queen's Moodle Documentation

You are logged in as Zen Jeejeebhoy (Log out)
ANAT 100 Anatomy of the Human Body CDS NS16