

# BSC 2346 Module 11 Final Exam / BSC2346 Final Exam: Human anatomy and physiology: Rasmussen College (Already graded A)

Attempt Score 59 out of 60 points  
Results Displayed Submitted Answers

- **Question 1**

1 out of 1 points

Grey matter of nerve tissue is a region or collection of nerve cell bodies whose main function is to transmit nerve impulses from one region of the nervous system to another?

Selected Answer: False

- **Question 2**

1 out of 1 points

Damage to a lower motor neuron can cause a positive Babinski's sign?

Selected Answer: False

- **Question 3**

1 out of 1 points

What statement is NOT true of epiphyseal plates?

Selected Answer: A.  
Typically close around the age of 12 years of age

- **Question 4**

1 out of 1 points

Which endocrine hormone is involved with increasing the blood calcium levels of the body?

Selected Answer: A.  
Parathyroid hormone

- **Question 5**

1 out of 1 points

Peripheral neuropathy can cause damage to axons of peripheral nerves leading to dysfunction of the conduction of an action potential?

Selected Answer: True

- **Question 6**

1 out of 1 points

Both the epidermis and dermis contain blood vessels?

Selected Answer: False

- **Question 7**

1 out of 1 points

One of the main functions of the gyri and sulci is to allow for increased surface area of the cerebral cortex?

Selected Answer: True

- **Question 8**

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1 out of 1 points

Which of the following is NOT necessary for muscle contraction to occur?

Selected Answer: B.  
Sodium ions to bind to the thin filament

- **Question 9**

1 out of 1 points

Which endocrine hormone, in higher quantities, can suppress the function of the immune system and decrease inflammation of the body?

Selected Answer: A.  
Cortisol

- **Question 10**

1 out of 1 points

The autonomic nervous system will innervate both internal organs and skeletal muscles?

Selected Answer: False

- **Question 11**

1 out of 1 points

Which statement is true regarding the white matter of the spinal cord?

Selected Answer: B.  
Each tract within the white matter carries a specific type(s) of stimuli

- **Question 12**

1 out of 1 points

Which statement is NOT true regarding the special senses?

Selected Answer: C.  
The cornea, pupil, and lens are the structures of the eye that refract incoming light

- **Question 13**

1 out of 1 points

What statement is true regarding reflexes?

Selected Answer: D.  
The Babinski's test is testing a specific reflex of the upper motor neurons

- **Question 14**

1 out of 1 points

Which statement is correct regarding the dorsal horn of the spinal cord?

Selected Answer: A.

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It receives afferent information from the peripheral nervous system

- **Question 15**

1 out of 1 points

Which statement is NOT true regarding a spinal (peripheral) nerve?

Selected Answer: C.

They will innervate all regions of the body including the head

- **Question 16**

1 out of 1 points

Which statement is NOT true regarding the meninges and cerebrospinal fluid (CSF)?

Selected Answer: D.

An epidural procedure will extract CSF from the meninges

- **Question 17**

1 out of 1 points

What sense organ allows for detection of the position of the head in the gravitational field?

Selected Answer: D.

Macula

- **Question 18**

1 out of 1 points

Which region of the brain stem is associated with nuclei centers that control various autonomic activities such as sneezing, coughing and respiration rate?

Selected Answer: C.

Medulla oblongata

- **Question 19**

1 out of 1 points

This organelle is responsible for producing adenosine triphosphate (ATP)?

Selected Answer: D.

Mitochondria

- **Question 20**

1 out of 1 points

This endocrine hormone is stored in the posterior pituitary and increases the amount of water reabsorbed in the kidneys increasing blood pressure and blood volume?

Selected Answer: D.

Antidiuretic hormone

- **Question 21**

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1 out of 1 points

What statement is NOT true regarding the peripheral nervous system (PNS)?

Selected Answer: B.  
The somatic division of the PNS refers to the innervation of the internal organs of the body

- **Question 22**

1 out of 1 points

Which statement is NOT true regarding skeletal muscle tissue?

Selected Answer: C.  
The muscle cells need little to no adenosine triphosphate (ATP)

- **Question 23**

1 out of 1 points

Which statement is NOT true regarding myelin sheaths?

Selected Answer: C.  
Myelin sheaths allow for action potentials to be transmitted faster within the dendrites of neurons

- **Question 24**

1 out of 1 points

The spinal cord travels from the foramen magnum of the occipital bone down to the sacrum region?

Selected Answer: False

- **Question 25**

1 out of 1 points

Which statement is true regarding the neuron synapse?

Selected Answer: D.  
Neurotransmitters can be degraded by enzymes within the synaptic cleft to terminate its effect

- **Question 26**

1 out of 1 points

Which statement is true regarding action potentials?

Selected Answer: B.  
An action potential once started, cannot be stopped or negated

- **Question 27**

1 out of 1 points

A neurotransmitter bound to a postsynaptic neuron membrane will affect its permeability of

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certain ions that will either cause an increase OR decrease ability to initiate an action potential?

Selected Answer: True

- **Question 28**

1 out of 1 points

Both aldosterone and antidiuretic hormones have indirect effects of increasing blood volume and blood pressure?

Selected Answer: True

- **Question 29**

1 out of 1 points

What statement is NOT true of otitis media?

Selected Answer: D.

Antibiotics should always be prescribed for this condition

- **Question 30**

1 out of 1 points

Blockage of the auditory (Eustachian) tube can result in conductive hearing loss?

Selected Answer: True

- **Question 31**

1 out of 1 points

The spiral organ contains hair cells that form action potentials when stimulated to allow for the sense of smell to occur?

Selected Answer: False

- **Question 32**

1 out of 1 points

The sense of taste depends upon the binding of food molecules dissolved in saliva onto sensory hair cells?

Selected Answer: True

- **Question 33**

1 out of 1 points

What statement is true regarding the eye?

Selected Answer: C.

The fovea centralis region has a high concentration of cone cells

- **Question 34**

1 out of 1 points

Which statement is NOT true regarding the CNS?

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Selected Answer: A.  
Damage to the primary somatosensory center of the brain will result in an inability to move skeletal muscles

- **Question 35**

1 out of 1 points

Which type of neuroglia cell forms myelin sheaths on axons within the peripheral nervous system?

Selected Answer: C.  
Schwann cells

- **Question 36**

1 out of 1 points

Which cranial nerve is not involved in motor control of eye movement?

Selected Answer: D.  
CN II- Optic nerve

- **Question 37**

1 out of 1 points

The cerebellum is primarily involved with conscious thought and emotions?

Selected Answer: False

- **Question 38**

1 out of 1 points

The central nervous system provides neural integration of efferent information transmitted from the autonomic nervous system?

Selected Answer: False

- **Question 39**

1 out of 1 points

What is NOT a symptom of hypothyroidism?

Selected Answer: B.  
Increased heart rate

- **Question 40**

1 out of 1 points

A dermatome is associated with a specific cranial nerve that innervates the body's skin?

Selected Answer: False

- **Question 41**

1 out of 1 points

What statement is NOT true regarding the endocrine system?

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Selected Answer: B.  
The adrenal medulla secretes hormones such as cortisol that assist in reducing inflammation of the body

- **Question 42**

1 out of 1 points

This sensory region of the cerebrum is involved with the ability to understand written and spoken language?

Selected Answer: D.  
Wernicke's area

- **Question 43**

1 out of 1 points

Addison's disease is due to increased amounts of cortisol being secreted?

Selected Answer: False

- **Question 44**

1 out of 1 points

Which statement is NOT true regarding neurons?

Selected Answer: C.  
All neurons have myelin sheaths

- **Question 45**

1 out of 1 points

What statement is NOT true regarding the special senses?

Selected Answer: A.  
The blind spot of the eye contains a high concentration of rod cones

- **Question 46**

1 out of 1 points

What is NOT true of aerobic and anaerobic cellular respiration?

Selected Answer: D.  
Cells can only perform aerobic respiration to make adenosine triphosphate (ATP)

- **Question 47**

1 out of 1 points

What is NOT true of the ciliary body and ciliary processes of the eye?

Selected Answer: A.  
It is involved in controlling the amount of light that is allowed into the eye

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- **Question 48**

1 out of 1 points

Hyperthyroidism is commonly caused by insufficient amounts of the element iodine within the body?

Selected Answer: False

- **Question 49**

1 out of 1 points

Which eye condition best describes the vision impairment that occurs when individuals age and the lens becomes less flexibility which causes the refracted light to fall behind the retina?

Selected Answer: C.  
Presbyopia

- **Question 50**

1 out of 1 points

Which of the following is not an effect of the parasympathetic nervous system?

Selected Answer: A.  
Increased respiration rate

- **Question 51**

1 out of 1 points

Red bone marrow is only found in spongy bone and is involved in hemopoiesis?

Selected Answer: True

- **Question 52**

1 out of 1 points

A tendon is a band of connective tissue that attaches and stabilizes one bone to another within a joint?

Selected Answer: False

- **Question 53**

1 out of 1 points

What is not a symptom of diabetes mellitus?

Selected Answer: A.  
Polydrosis

- **Question 54**

0 out of 1 points

Which statement is NOT true of dendrites?

Selected Answer: C.



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The are found on all neurons

- **Question 55**

1 out of 1 points

This type of bone cell will breakdown the matrix of the bone tissue and release calcium into the bloodstream?

Selected Answer: C.  
Osteoclast

- **Question 56**

1 out of 1 points

The nerve plexuses of the body allow for individual nerves to have axons from multiple nerve root levels?

Selected Answer: True

- **Question 57**

1 out of 1 points

Which endocrine hormone influences the uterine contractions during pregnancy and stimulates breast milk ejection during breast-feeding?

Selected Answer: D.  
Oxytocin

- **Question 58**

1 out of 1 points

What is not a function of cerebrospinal fluid?

Selected Answer: D.  
Help transmit electrical impulses within the central nervous system

- **Question 59**

1 out of 1 points

The melanocytes are the most common cell in the epidermis and produce melanin?

Selected Answer: False

- **Question 60**

1 out of 1 points

The parasympathetic nervous system is a branch of the somatic efferent peripheral nervous system while the sympathetic is a branch of the viscera efferent peripheral nervous system?

Selected Answer: False