

NEET PG 2025

**Physiology Previous
Year Questions with
Solutions**

TUTORIALS

PHYSIOLOGY - NEET PG 2025

Q.1

Clinical Question:

A 22-year-old college student flies to Leh, which is at an altitude of 3700 m above sea level. She experiences nausea, headache, mental confusion, and blurred vision. Which of the following is the underlying mechanism for these findings?

Options:

- A) Increase in sympathetic activity leading to vasoconstriction of cerebral vessels, leading to transudation of fluid
- B) Decrease in PaO_2 leading to vasoconstriction of cerebral vessels, leading to transudation of fluid
- C) Decrease in PaO_2 leading to vasodilatation of cerebral vessels, leading to transudation of fluid
- D) Decrease in pH leading to vasodilatation of cerebral vessels, leading to transudation of fluid

Correct Answer: C) Decrease in PaO_2 leading to vasodilatation of cerebral vessels, leading to transudation of fluid

Q.2

Clinical Question:

A woman presents with complaints of secondary amenorrhea and infertility. Investigations revealed a microadenoma of the pituitary gland and hyperprolactinemia. What is the underlying mechanism by which hyperprolactinemia causes these complaints?

Options:

- A) Antagonistic effect of prolactin on estrogen receptors
- B) Decreased GnRH secretion from hypothalamus
- C) Increased secretion of FSH
- D) Increased secretion of LH

Correct Answer: B) Decreased GnRH secretion from hypothalamus

Q.3

Clinical Question:

A patient presents with nausea, vomiting, and muscle cramps. Lab tests reveal hyponatremia and hyperkalemia. On examination, there is hyperpigmentation of the skin. Which of the following hormones is directly responsible for the hyperpigmentation?

Options:

- A) ACTH

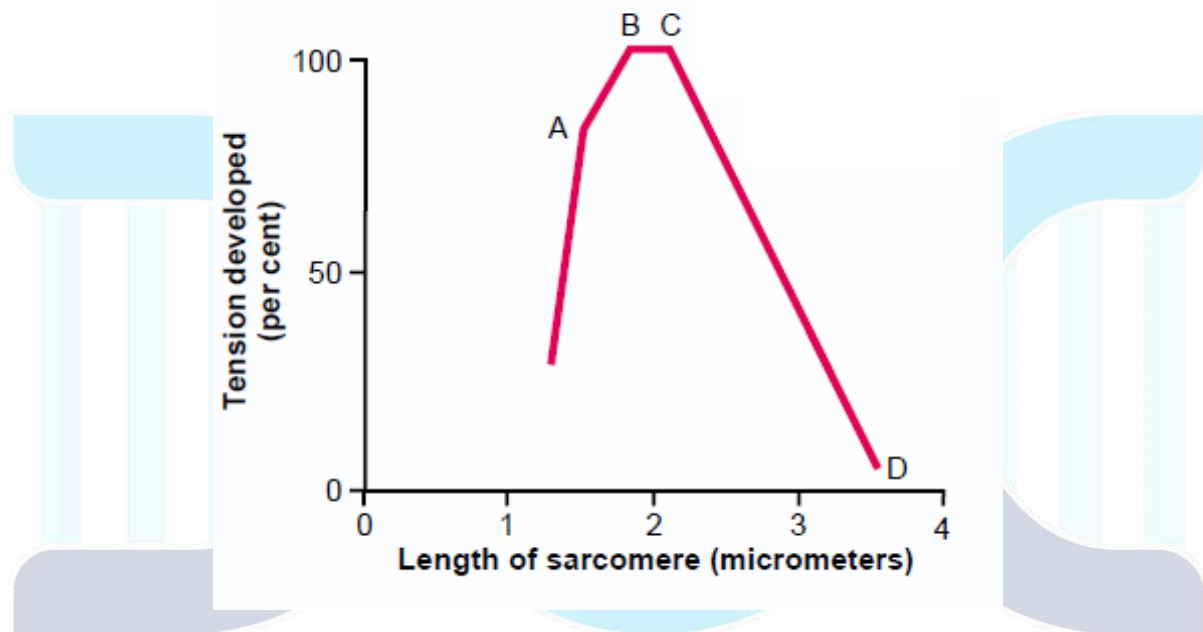
- B) Cortisol
- C) Aldosterone
- D) Renin

Correct Answer: A) ACTH

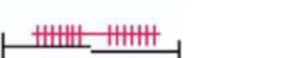
Q.4

Non-clinical Question:

Which of the following sarcomeres corresponds to point B on the graph?



Options:

- A) 
- B) 
- C) 
- D) 

Correct Answer: Option C

Q.5

Non-clinical Question:

If there is no net transudation across a capillary with a capillary hydrostatic pressure of 18 mm Hg, capillary oncotic pressure of 27 mm Hg, and interstitial oncotic pressure of 7 mm Hg, what should be the interstitial hydrostatic pressure?

Options:

- A) 2 mm Hg
- B) -2 mm Hg
- C) 0 mm Hg
- D) 1 mm Hg

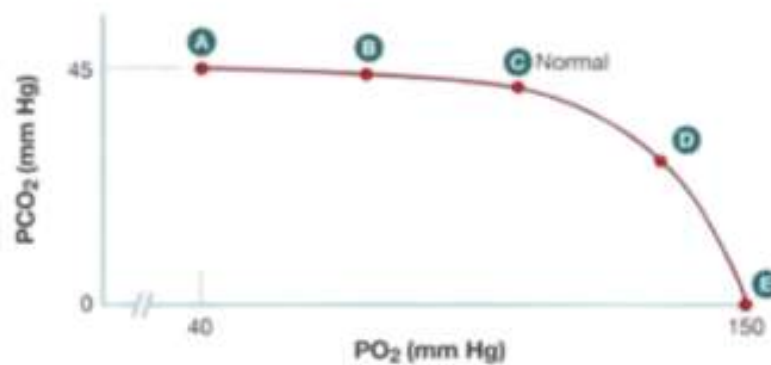
Correct Answer: B) -2 mm Hg

Tags: #numbers, #high-yield, #recent-NEET

Q.6

Non-clinical Question:

The given graph shows PCO_2 and PO_2 of the right lung along with ventilation and perfusion ratio. Which point on the graph represents V/Q ratio if there is a complete block of the blood supply at alveolar level of right lung due to pulmonary embolism?



Options:

- A) A
- B) B
- C) D
- D) E

Correct Answer: D) E

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