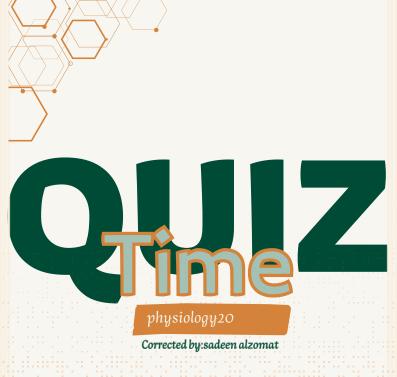


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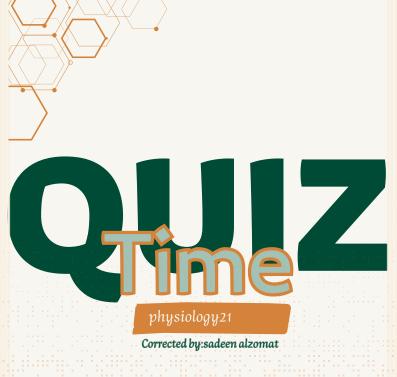
#### Lec. 20

- 1. Which of the following is NOT a function of cortisol?
- A) Metabolic Function
- B) Anti-Stress Function
- C) Anti-Inflammatory Effect
- D) Regulation of Electrolytes
- Answer: D) Regulation of Electrolytes
- 2. What is the primary role of aldosterone in the body?
- A) Anti-allergic Function
- B) Regulation of Electrolytes
- C) Anti-immunity
- D) Metabolic Function
- Answer: B) Regulation of Electrolytes
- 3. Which hormone controls the secretion of cortisol, aldosterone, and androgen?
- · A) Renin
- · B) ACTH
- · C) DHEA
- D) Androstenedione
- · Answer: B) ACTH
- 4. Which of the following is a metabolic function of cortisol?
- A) Lipolytic effect
- B) Anti-Inflammatory Effect
- C) Anti-allergic Function
- D) Anti-immunity
- Answer: A) Lipolytic effect
- 5. What is the effect of aldosterone on potassium levels in the body?
- A) Causes hypokalemia
- B) Causes hyperkalemia
- C) No effect on potassium levels
- D) Causes alkalosis
- Answer: A) Causes hypokalemia



- 6. Which system is most important clinically for the control of aldosterone?
- A) Renin-Angiotensin System
- B) ACTH
- C) Sodium concentration
- D) Potassium concentration
- Answer: A) Renin-Angiotensin System
- 7. Which hormone is responsible for the anti-stress function of cortisol?
- · A) Renin
- · B) ACTH
- C) DHEA
- D) Androstenedione
- · Answer: B) ACTH
- 8. Which of the following is a function of adrenal sex hormones?
- A) Regulation of Electrolytes
- B) Anti-Inflammatory Effect
- C) Anti-allergic Function
- D) Controlled by ACTH
- Answer: D) Controlled by ACTH
- 9. What happens in stress if cortisol is deficient?
- A) Increased sensitivity to stress
- B) Decreased sensitivity to stress
- · C) No effect on stress sensitivity
- D) Increased blood pressure
- Answer: A) Increased sensitivity to stress
- 10. Which of the following is a function of aldosterone?
- A) Anti-Inflammatory Effect
- B) Anti-allergic Function
- C) Na+ re-absorption in exchange for K+ and H+
- D) Lipolytic effect
- Answer: C) Na+ re-absorption in exchange for K+ and H+





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#### Lec. 21

- 1. Which of the following is a metabolic function of insulin?
- · A) Lipolytic effect
- · B) Hypoglycemic effect
- C) Catabolic effect
- D) Diabetogenic effect
- Answer: B) Hypoglycemic effect
- 2. What is the primary function of glucagon?
- · A) Lipogenic effect
- B) Regulation of blood glucose level
- · C) Anabolic effect
- D) Anti-allergic function
- Answer: B) Regulation of blood glucose level
- 3. Which hormone is responsible for the lipogenic and fat sparer function?
- · A) Glucagon
- B) Insulin
- C) Cortisol
- D) Growth hormone
- Answer: B) Insulin
- 4. Which of the following hormones is NOT an anabolic hormone?
- A) Cortisol
- · B) Growth hormone
- C) Insulin
- D) Testosterone
- Answer: A) Cortisol
- 5. What is the effect of excess insulin administration?
- A) Hyperglycemia
- B) Hypoglycemia
- C) Increased blood pressure
- D) Decreased blood pressure
- Answer: B) Hypoglycemia



- 6. Which hormone has a diabetogenic effect on carbohydrate metabolism?
- · A) Insulin
- B) Glucagon
- C) Growth hormone
- D) Cortisol
- Answer: B) Glucagon
- 7. Which hormone group includes aldosterone?
- A) Glucocorticoid hormones
- B) Gonadotropic hormones
- C) Mineralocorticoid hormones
- D) Lactogenic hormones
- Answer: C) Mineralocorticoid hormones
- 8. Which hormone is responsible for the hypoglycemic effect?
- · A) Glucagon
- B) Cortisol
- C) Insulin
- D) Growth hormone
- Answer: C) Insulin
- 9. Which hormone is NOT involved in the regulation of blood glucose levels?
- A) Insulin
- B) Glucagon
- C) Cortisol
- D) Thyroxine (T3/T4)
- Answer: D) Thyroxine (T3/T4)
- 10. Which hormone is classified as a stress hormone?
- A) Insulin
- B) Epinephrine
- C) Follicle-stimulating hormone (FSH)
- D) Prolactin
- · Answer: B) Epinephrine

