

(MCQs) – Adrenal Glands

1. Adrenaline and non adrenaline are hormones and act as _____
 - a) Neurotransmitters
 - b) Energy storing substance
 - c) Food storage material
 - d) Energy producing agents

2. Glomerular area of adrenal cortex is responsible for _____
 - a) Water and electrolyte balance
 - b) Steroid hormone secretion
 - c) Blood pressure
 - d) Carbohydrate metabolism

3. Which of the following hormone is known as flight and fight hormone?
 - a) Thyroxin
 - b) Adrenaline
 - c) ADH
 - d) Oxytocin

4. ADH acts on _____
 - a) Loop of Henle
 - b) Collecting ducts of testes
 - c) Collecting tubules of kidneys
 - d) PCT

5. Adrenal gland is derived from _____
 - a) Endoderm
 - b) Mesoderm
 - c) Ectoderm
 - d) Ectoderm and mesoderm

6. Adrenaline hormone increases _____
 - a) Blood pressure
 - b) Blood glucose level
 - c) Arteriosclerosis
 - d) Oxygen uptake

7. ADH deficiency shows _____

- a) Polydipsia
- b) Polyuria
- c) Glycosuria
- d) Polydipsia and Polyuria

8. The adrenal gland is located _____

- a) In the peritoneal cavity
- b) On the kidneys
- c) Lateral to the liver
- d) In the abdominal cavity

9. What is the name of the cells producing the hormone in adrenal medulla?

- a) F cells
- b) Chief cells
- c) Principal cells
- d) Chromaffin cells

10. Which is not the function of cortisol?

- a) Increases glucose uptake by muscles
- b) Convert amino acids to glucose
- c) Converts fat to fatty acids
- d) Increases blood sugar level in response to stress

11. Low level of adrenal cortex hormones results in _____

- a) Addison diseases
- b) Cushing syndrome
- c) Goiters
- d) Tetany

12. Adrenal gland consists of _____

- a) ACTH and BCTH
- b) Inner and outer layer of kidney
- c) Inner medulla and outer cortex
- d) Lower adrenal and upper adrenal

13. The adrenal _____ secretes small amount of both sex hormones.

- a) Medulla
- b) Cortex
- c) Accessory gland
- d) Cells

14. ACTH controls the secretion of _____

- a) Cortisol
- b) Aldosterone
- c) Epinephrine
- d) Testosterone

15. Low level of adrenal cortex hormones result in _____

- a) Goitre
- b) Diabetes
- c) Addison disease
- d) Cushing syndrome

16 Norepinephrine function as both hormone and

- a. Fuel for cellular respiration.
- b. Neurotransmitter
- c. Ions to promote action potential
- d. Solutes to promote osmotic flow.

17 which of the following hormone is a modified amino acid

- a. Prostaglandin
- b. Oestrogen
- c. Epinephrine
- d. MSH

18 Disease caused by under secretion of adrenal cortex is

- a. Cretinism
- b. Dwarfism
- c. Sterility
- d. Addison disease

19 Adrenal cortex secretes

- a. Adrenaline
- b. Calcitonin
- c. Aldosterone
- d. Epinephrine

20. Aldosterone promotes

- a. Calcium ion reabsorption
 - b. Sodium ion reabsorption
 - c. Water reabsorption
 - d. Potassium reabsorption
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MCQS – Answer Sheet

1. a
2. a
3. b
4. c
5. d
6. a
7. d
8. b
9. d
10. a
11. a
12. b
13. b
14. a
15. c
16. b
17. c
18. d
19. c
20. b