

COLLECTED QUESTIONS OF DENTISTRY PHYSIOLOGY 018

1-A woman having menstrual cycle about 35 days, her SAFE period is:

- a. Day 1 to day 5.
- b. Day 6 to day 10.
- c. Day 11 to day 18.
- d. Day 18 to day 24.
- e. Day 25 to day 35.

2-If adult non-pregnant woman injected with estrogen 48 hrs before the time of ovulation one of the followings choices is NOT TRUE?

- a. LH secretion drastically increases. (surge)
- b. FSH increases.
- c. Ovulation occurs.
- d. Ovulation does not occur.
- e. GnRh secretion increases.

3-Which of the following hormones is the most essential to life

- a. Thyroid hormone
- b. Aldosterone
- c. Calcitonin
- d. Epinephrine
- e. Vasopressin

4-Cholesterol gives rise to all of the following EXCEPT

- a. Aldosterone
- b. Catecholamines
- c. Estrogen
- d. Progesterone
- e. Testosterone

5-Which of the following hormones is least important in Ca⁺⁺metabolism

- a. PTH
- b. Aldosterone
- c. 1,2,5- Dihydroxycholecalciferol
- d. GH
- e. Insulin

6-One of the followings is NOT TRUE about the endocrine system:

- a. A single endocrine gland may produce more than one hormone
- b. A single hormone may be secreted by more than one endocrine gland
- c. A single hormone has always one specific target cell the
- d. Same chemical substance may be either a hormone or neurotransmitter
- e. Some organs of the endocrine system perform nonendocrine function

7-Which of the following statements concerning human chorionic gonadotropin is INCORRECT

- a. It is secreted by the placenta
- b. It maintains by corpus luteum of pregnancy
- c. It is secreted by the corpus luteum of pregnancy
- d. The presence of chorionic gonadotropin in the urine is the basis of pregnancy diagnosis tests
- e. It is secreted primarily during the first ten weeks of gestation

8-The menopause choose: the incorrect answer

- a. Is followed by a rise in FSH concentration.
- b. Is followed by a fall in oestrogen concentration.
- c. Is caused by a decline in hypothalamic function.
- d. Is followed by an increasing risk of osteoporosis.
- e. Is followed by arise in L.H concentration.

9-Which one of the following hormones is hypoglycemic

- a. Growth hormone
- b. Glucagon
- c. Epinephrin
- d. Insulin
- e. Cortisol

10-Choose the incorrect answer regards Vitamin D:

- a. Increases the intestinal absorption of calcium
- b. Is essential for normal calcification in childhood
- c. Requires hepatic modification for activation
- d. Formation of (D3) structure is sufficient for the Human
- e. Deficiency may result in hyperparathyroidism

11-In human males, testosterone is mainly produced by the

- a. Leydig cells
- b. Sertoli cells
- c. Seminiferous
- d. Tubules epididymis
- e. Vas deferens

12-Which of the following hormones does NOT work mainly via cyclic adenosine monophosphate as a second messenger

- a. Insulin
- b. ACTH
- c. Adrenalin
- d. Glucagon
- e. TSH

13-Which one of the following is the MOST important hyperglycemic hormone?

- a. Growth
- b. Cortisol
- c. Glucagon
- d. Adrenaline
- e. Thyroxine

14-The hormone that aids in determining the Basal metabolic rate (BMR) is

- a. Estrogen
- b. Thyroid hormone
- c. Insulin
- d. Epinephrine
- e. Testosterone

15-An average human ejaculate contains about sperm

- a. 100-200 million
- b. 200-300 million
- c. 300-400 million
- d. 400-500 million
- e. 500-600 million

16-Which of the following is a neurohormone ?

- a. Vasopressin (ADH)
- b. Thyroid
- c. Growth hormone
- d. Cortisol
- e. Luteinizing hormone

17-Which one of the following about osteoporosis is NOT TRUE:

- a. The most common of all bone diseases in adults specially in old age
- b. Occurs in females only
- c. It results from diminished organic matrix rather than abnormal bone calcification
- d. Lack of physical stress on the bone because of inactivity one of the causes of osteoporosis
- e. It is deferent disease from osteomalacia

18-In ONE of the followings conditions growth hormone & insulin secretion is increased

- a. Protein intake
- b. Carbohydrate intake
- c. Fasting
- d. Obesity
- e. Againg

19-Inhibition the production of one of the following will lead to hypotension (if severe enough, fatal):

- a. Insulin
- b. Thyroxin
- c. Angiotensin II
- d. Cortisol
- e. ACTH

20-In which of the following tissues insulin DOES NOT facilitate glucose uptake

- a. Cardiac muscle
- b. Smooth muscle
- c. Leucocytes (WBCS)
- d. Erythrocytes (RBCS)
- e. Pituitary

21-Dwarfism & mental retardation may be the result of a deficiency of

- a. Growth - hormone releasing hormone
- b. GH
- c. Somatomedins
- d. Thyroid hormones
- e. Adrenalin hormone

22-All the following stimulate GH secretion EXCEPT

- a. Obesity
- b. Decrease blood glucose
- c. Decrease blood free fatty acids
- d. Fasting
- e. Exercise

23-Circulating adrenaline: Choose the INCORRECT answer:

- a. Is a peptide hormone
- b. Tends to raise blood glucose levels
- c. Stimulates glucagon secretion
- d. Can cause vasoconstriction
- e. Is more likely to directly increase the heart rate

24-Which of the following hormones is very important during early development of the nervous system

- a. Growth hormone
- b. Thyroid hormone
- c. Cortisol
- d. Parathyroid hormone
- e. Insulin

25-The most abundant product secreted from the thyroid gland is _____ most potent thyroid secretory product is _____

- a. T4, T4
- b. T3, T4
- c. T4, T3
- d. T4, MIT
- e. DIT, T3

ANSWERS

1	e	10	d	19	c
2	d	11	a	20	d
3	b	12	a	21	d
4	b	13	c	22	a
5	b	14	b	23	a
6	c	15	c	24	b
7	c	16	a	25	c
8	c	17	b	-	-
9	d	18	a	-	-

"لا تَدْعُ جَهْلَ النَّاسِ بِكَ يَغْلِبُ عِلْمَكَ بِنَفْسِكَ"

-علي بن أبي طالب

•اسع؛ فما سعى لله ساعٍ إلا بلغ.

Samia Simrin ✨

Hiba Abu Hayya 🎀