

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 1

Topic :- Chemical Coordination and Integration

- Androgens regulates
 - Development of accessory sex organs
 - Muscular growth
 - Maturation of accessory sex organs
 - All of the above
- Progesterone hormone is secreted by
 - Corpus albicans
 - Corpus callosum
 - Corpus luteum in ovaries
 - Corpus uteri
- Injury to adrenal cortex is not likely to affect the secretion of which one of the following?
 - Aldosterone
 - Both androstenedione and dehydroepiandrosterone
 - Adrenaline
 - Cortisol
- Hormones are non-nutrient chemicals, which acts as..... messengers and are produced in trace amount
 - Intercellular
 - Intracellular
 - Extracellular
 - None of these
- Insulin receptors are
 - Extrinsic protein
 - Intrinsic protein
 - G - protein
 - Trimeric protein
- Choose the correct option for A to D

Types of cells (Langerhans)	Hormones
α - cells secrete	A
β - cells secrete	B
γ - cells secrete	C
δ - cells secrete	D

 - A-Glucagon, B-Insulin, C-Gastrin, D-Somatostatin
 - A-Insulin, B-Glucagon, C-Gastrin, D-Somatostatin
 - A-Insulin, B-Glucagon, C-Somatostatin, D-Gastrin
 - A-Glucagon, B-Insulin, C-Somatostatin, D-Gastrin
- 'GIP' stimulates the release of
 - Glucagon
 - Insulin
 - Calcitonin
 - Thyrocalcitonin

8. The thyroid gland is composed of ...A... lobes which are located on either side of the ...B... the lobes are interconnected with a thin flap of connective tissue called ...C...
 Select the correct combination for A, B and C
- | | |
|------------------------------|------------------------------|
| a) A-3, B-trachea, C-isthmus | b) A-4, B-trachea, C-isthmus |
| c) A-2, B-trachea, C-isthmus | d) A-1, B-trachea, C-isthmus |
9. Some hormone need the secondary messenger, because
- | | |
|----------------------------------|------------------------------------|
| a) They need activator | b) They can't cross cells membrane |
| c) They can cross cells membrane | d) They need a prosthetic group |
10. Sex hormones can work without the help of
- | | | | |
|------------|-------------|--------------|------------------|
| a) Insulin | b) Placenta | c) Pituitary | d) Gonadotropins |
|------------|-------------|--------------|------------------|
11. Estrogen
- | | |
|---|---|
| a) Stimulate the growth of ovarian follicle | b) Stimulate the appearance of secondary sex characters |
| c) Stimulate the growth of mammary gland | d) All of the above |
12. In human adults females, oxytocin
- | | |
|---|--|
| a) Is secreted by anterior pituitary | b) Stimulates growth of mammary glands |
| c) Stimulate pituitary to secrete vasopressin | d) Causes strong uterine contractions during parturition |
13. The hormone that increases the blood calcium level and decreases its excretion by kidney is
- | | | | |
|-----------------|---------------|--------------|------------|
| a) Parathormone | b) Calcitonin | c) Thyroxine | d) Insulin |
|-----------------|---------------|--------------|------------|
14. Gastrointestinal hormones are
- | | |
|---------------------------------|----------------------------|
| a) Steroidal in nature | b) Proteinaceous in nature |
| c) Glycoproteinaceous in nature | d) Both (a) and (b) |
15. I. Glucagon
 II. Epinephrine
 III. Steroid hormone
 IV. Idothyronine
 Among the given hormones which needs secondary messenger
- | | | | |
|--------------|---------------|-------------|-------------|
| a) I and III | b) III and IV | c) I and II | d) IV and I |
|--------------|---------------|-------------|-------------|
16. A steroid hormone which regulates glucose metabolism is
- | | |
|----------------------------|-------------------|
| a) Cortisol | b) Corticosterone |
| c) 11- deoxycorticosterone | d) Cortisone |

17. The activity of formation of milk is regulated by the activity of ...A... . While the ejection of milk is controlled by ...B... hormone

Here, A and B refers to

- a) A-oxytocin; B-prolactin
- c) A-prolactin; B-prolactin

- b) A-prolactin; A-oxytocin
- d) A-oxytocin; B-prolactin

18. Feeling the tremors of an earthquake, a scared resident of seventh floor of a multistoreyed building starts climbing down the stairs rapidly. Which hormone initiates this action?

- a) Thyroxine
- b) Adrenaline
- c) Glucagon
- d) Gastrin

19. Endocrine glands are

- a) Ductless glands whose secretions pour directly into blood
- b) Have ducts and pour their secretions into blood directly
- c) Have ducts which straightway pour secretions into target organs
- d) All of the above

20. Pheromones are also called

- I. ectohormones
- II. sex attractants
- III. semichemicals

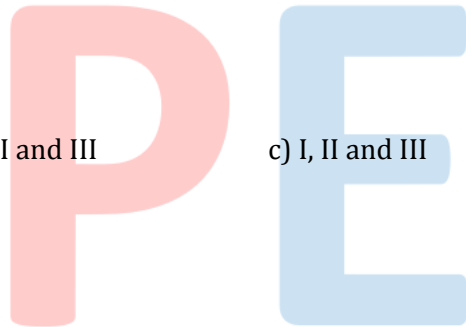
The correct option is

- a) I and III

- b) I and III

- c) I, II and III

- d) II and III

The image shows two large, stylized letters. The letter 'P' is on the left, colored in a light pink or salmon hue. The letter 'E' is on the right, colored in a light blue hue. Both letters are bold and have a slightly rounded, modern font style.