

- A. Visual pathway
C. Taste pathway
- B. Auditory pathway
D. Olfactory pathway
6. Impedance matching is a function of:
A. Scala media
C. Ear ossicles and tympanic membrane
- B. Endolymph
D. Cochlear nucleus
7. Human chorionic gonadotropin is structurally and function ally similar to:
A. LH B. FSH C. Growth hormone D. Inhibin
8. Which of the following hormones is not diabetogenic?
A. Epinephrine
C. Growth hormone
- B. Cortisol
D. Glucagon
9. The release of androgens from the adrenal cortex is stimulated mainly by
A. LH B. FSH C. ACTH D. GnRH
10. In Humans, the hormone that is mainly secreted by adrenal medulla is:
A. Epinephrine
C. Dopamine
- B. Norepinephrine
D. Adrenomedullin
11. The term 'neuro-hormone' is applied to:
A. Oxytocin and Vasopressin
C. Glycine & Glutamate
- B. NO&CO
D. FSH&LH
12. Which of the following hormones does not act through G-protein coupled receptor mechanism?
A. Epinephrine
C. ACTH
- B. Angiotensin-II
D. Thyroxine
13. Somatostatin inhibits the secretion of:
A. Insulin B. Glucagon C. Growth hormone D. Gastrin
14. Iodine is concentrated in thyroid follicular epithelial cells by:
A. Primary active transport
C. Simple diffusion
- B. Secondary active transport
D. Facilitated diffusion
15. Hypothalamus does not play a prominent role in the regulation of:
A. Food & water intake
C. Respiration
- B. Temperature
D. Circadian rhythm
16. Which of the following is a heat conserving mechanism?
A. Panting
C. Curling up in a ball
- B. Sweating
D. Insensible water loss

d. Auditory pathway.

Section C

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Q.5 Long Answer Question

10

Enlist the hormones secreted from the pituitary gland and describe the functions of the Growth hormone. Explain the basis of acromegaly, gigantism, and dwarfism.
(2+5+3=10 marks)

Q.6 Answer in Short (Any 5 out of 6)

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- a) Indicators of ovulation
- b) Regulation of thyroid hormone secretion
- c) Conductive deafness
- d) Referred pain
- e) Inverse stretch reflex
- f) Properties of synapse

Q.7 Short notes (Any 3 out of 4)

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- a) Spermatogenesis
- b) Photo transduction
- c) Cutaneous receptors
- d) Flight and fight response
