

1. Movement of sunflower in accordance with the path of Sun is due to
(a) Chemotropism (b) Geotropism
(c) Phototropism (d) Hydrotropism
2. Which plant hormone promotes cell division?
(a) Auxin (b) Gibberellins
(c) Cytokines (d) Abscisic acid
3. The incorrect statement related to thyroxin hormone is
(A) It regulates fat metabolism (b) its deficiency leads to goiter
(c) It is secreted in parathyroid gland (d) iodine in the food is essential for its production
4. A response that does not happen in plants due to their growth is
(A) Bending of shoot towards light (b) penetration of roots in deep soil
(c) Folding of leaves when touched (d) climbing tendrils of a creeper
5. The main function of abscisic acid in plants is
(a) to promote cell division. (b) to inhibit growth.
(c) to promote growth of stem. (d) to increase the length of cells.
- 6 Which nerves transmit impulses from the central nervous system towards muscle cells?
(a) Sensory nerves (b) Motor nerves
(c) Relay nerves (d) Cranial nerves
- 7 A microscopic gap between a pair of adjacent neurons over which nerve impulses pass is called
(a) neurotransmitter (b) dendrites
(c) axon (d) synapse
- 8 Posture and balance of the body is controlled by
(a) Pons (b) Medulla oblongata
(c) Cerebellum (d) Cerebrum
- 9 Breathing is controlled by which part of the brain?
(a) Cerebrum (b) Cerebellum
(c) Hypothalamus (d) Medulla oblongata
10. Which gland secretes the growth hormone?
(a) Pituitary gland (b) Thyroid
(c) Hypothalamus (d) Adrenal
- 11 The secretion of which hormone leads to physical changes in the body when you are 10-12 years of age?
(a) Estrogen from testes and testosterone from ovary.
(b) Estrogen from adrenal gland and testosterone from pituitary gland.
(c) Testosterone from testes and estrogen from ovary.
(d) Testosterone from thyroid gland and estrogen from pituitary gland.
- 12 In a synapse chemical signal is transmitted from _____.
A) from dendrite of one neuron to axonal end of other neuron
B) axon to cell body of same neuron
C) cell body to axonal end of same neuron
D) axonal end of one neuron to dendrite of another neuron

- 13.** The growth of tendrils in pea plant is due to ____.
- A) Effect of gravity
 - B) effect of chemicals
 - C) rapid cell divisions in tendriller cells that are away from support
 - D) rapid cell division in tendriller cells in contact with the support
- 14** Which of the following statements is correct about receptors?
- A) Gustatory receptors detect taste while olfactory receptors detect smell
 - B) both gustatory and olfactory receptors detect smell
 - C) Auditory receptors detect smell and olfactory receptors detect taste
 - D) Olfactory receptors detect taste and gustatory receptors smell
- 15** The growth of pollen tubes towards ovules is due to ____.
- A) Hydrotropism
 - B) phototropism
 - C) chemotropism
 - D) geotropism
- 16.** Which is the correct sequence of the components of a reflex arc?
- (a) Receptors → Muscles → Sensory neuron → Motor neuron → Spinal cord
 - (b) Receptors → Motor neuron → Spinal cord → Sensory neuron → Muscle
 - (c) Receptors → Spinal cord → Sensory neuron → Motor neuron → Muscle
 - (d) Receptors → Sensory neuron → Spinal cord → Motor neuron → Muscle
- 17.** The movement of root away from light is:
- A) Positive phototropism
 - B) negative phototropism
 - C) negative hydrotropism
 - D) positive hydrotropism
- 18-** Involuntary actions in the body are controlled by ____.
- A) Medulla in fore brain
 - B) medulla in mid brain
 - C) medulla in hind brain
 - D medulla in spinal cord
- 19**The substance that triggers the fall of mature leaves and fruits from plants is ____.
- A) Auxin
 - B) gibberellins
 - C) cytokines
 - D) Abscisic acid
- 20.** Dwarfism results due to ____.
- A) Excess secretion of thyroxin
 - B) less secretion of growth hormone
 - C) Less secretion of adrenaline
 - D) Excess secretion of growth hormone