



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Life Science

Class: X

Date: 06.02.2021

**CHAPTER: CONTROL & COORDINATION IN LIVING ORGANISMS TOPIC: CHEMICAL COORDINATION
IN PLANTS**

WORKSHEET 6

Choose the correct option:

(1X15=15)

1. Maintenance of coordination in plants is brought about by
a. Neurotransmitters b. Phytohormones c. Plant hormones d. Both b&c
2. Plant growth and differentiation is helped by
a. Phytohormones b. Growth regulators c. Both a&b d. None of these
3. Which of the following is a hypothetical hormone?
a. Florigen b. Auxin c. Vernalin d. Both a&c
4. Major plant hormones include
a. Auxin b. Gibberellin c. Ethylene d. Both a&b
5. Phytohormones are
a. Natural b. Artificial c. Organic compounds d. All of these
6. Which of the following hormones are having antagonistic effect with that of auxin?
a. Cytokinin b. Florigen c. Gibberellin d. Both a&b
7. Avena coleoptile curvature test is an experiment including
a. Auxin b. Gibberellin c. Ethylene d. Both a&b
8. The hormone which is mainly found in the apical meristem is
a. Auxin b. Gibberellin c. Ethylene d. Both a&b
9. Cytokinin occurs in
a. Endosperm tissue b. Apical meristem c. Both a&b d. None of these
10. Auxin is produced in plants on the
a. opposite of side receiving light b. same side of where light falls
c. Both a&b d. None of these
11. Phytohormones are
a. Stored in plants b. mainly water soluble c. mainly fat soluble d. Both a&b
12. To which of the following is excised shoot tip transferred in the Avena Coleoptile test?
a. Metal plate b. Decapitated shoot c. Agar block d. Both b&c
13. Which of the following type of curvature is seen in Avena coleoptile test?
a. Phototactic b. Phototropic c. Thermotropic d. Photonastic
14. Parthenocarpic fruits of grapes is made with the help of
a. Auxin b. Gibberellin c. Ethylene d. Both a&b
15. Secretion of enzyme named alpha-amylase is mediated by
a. Auxin b. Gibberellin c. Ethylene d. Both a&b

-Debjani Chakraborty