

PG-CET-BOTANY

PRACTICE BITS ON “PHYTOHORMONES”-1

1) Who suggested first that presence of PGR in plants?

- 1) Went 2) Sachs 3) Darwin 4) Skoog

2) Which phytohormone was discovered first?

- 1) Auxin 2) Cytokinin 3) GA 4) ABA

3) All cells of a plant are descendants of the

- 1) Zygote 2) Embryo 3) Apical meristem 4) Seed

4) Growth in plants is

- 1) Reversible 2) Irreversible 3) Temporary 4) Immeasurable

5) Auxin was isolated first from coleoptiles of

- 1) Canary grass by Charles Darwin and Francis Darwin
2) Oat seedlings by Charles Darwin and Francis Darwin
3) Oat seedlings by F.W went
4) Canary grass by F.W went

6) Genetic dwarfism can be removed by using

- 1) GA 2) IAA 3) ABA 4) IBA

7) Gibberella fujikuroi belongs to

- 1) Phycomycetes 2) Ascomycetes 3) Basidiomycetes 4) Deuteromycetes

8) The effect of apical dominance can be overcome by applying

- 1) ABA 2) Cytokinins 3) Ethylene 4) Gibberellins

9) Chemical nature of Auxin is

- 1) Acidic 2) Basic 3) Neutral 4) Slightly Basic

10) Which essential element is responsible for the syntheses of auxins?

- 1) Mn 2) Fe 3) Cu 4) Zn

11) The maximum growth rate occurs in

- 1) Stationary phase 2) Senescent phase
3) Lag phase 4) Exponential phase

12) Geometric growth occurs during/ in

- 1) Binary fission 2) Embryogenesis 3) Diatoms 4) All of these

13) Which PGR causes stomatal opening?

- 1) ABA 2) GA 3) IAA 4) Cytokinin

ANSWERS—1-2, 2-1, 3-1, 4-2, 5-3, 6-1, 7-2, 8-2, 9-1, 10-4, 11-4, 12-4, 13-4

14) Male hormone in plants is

- 1) Cytokinin 2) GA 3) ABA 4) IAA

15) In most of the cases GA is antagonistic to

- 1) Auxins 2) Ethylene 3) ABA 4) Cytokinin

16) Richmond-lang effect is concerned with

- 1) Apical dominance 2) Delay in senescence
3) Phototropism 4) Bolting

17) During tissue culture, high Auxin/low cytokinin ratio induces

- 1) Root formation 2) Shoot formation
3) Callus formation 4) Somatic embryogenesis

18) Development is the sum of

- 1) Growth and Dedifferentiation 2) Growth and Differentiation
3) Growth and Redifferentiation 4) Growth and cell division

19) Growth at cellular level is principally a consequence of increase in the amount of

- 1) Cytoplasm 2) Protoplasm 3) DNA 4) Cytosol

20) Precursor of IAA in plants is

- 1) Tyrosine 2) Threonine 3) Tryptophan 4) Thiamine

21) Formation of secondary permanent tissues is called

- 1) Redifferentiation 3) Dedifferentiation
2) Differentiation 4) Plasmotic growth

22) Vernalisation can often be replaced by

- 1) Auxin 2) Cytokinins 3) GA 4) Ethylene

23) Bolting is caused by

- 1) GA 2) ABA 3) IAA 4) Cytokinins

24) Which one of the following is a natural growth inhibitor?

- 1) NAA 2) ABA 3) IAA 4) GA

25) Arthmatic growth occurs at

- 1) Stem tip 2) Root tip 3) During secondary growth 4) All of these

26) Hormone similar to animal steroidal hormone is

- 1) Auxin 2) GA 3) ABA 4) Cytokinin

27) In brewing industry the malting process can be increased by using

- 1) IAA 2) GA 3) ABA 4) IBA

ANSWERS—14-2, 15-3, 16-3, 17-1, 18-2, 19-2, 20-3, 21-1, 22-3, 23-1, 24-2, 25-4, 26-2, 27-2

28) Vernalisation is done at

- | | |
|------------------------|-------------------------|
| 1) Low light intensity | 2) High light intensity |
| 3) Low temperature | 4) High temperature |

29) 6-furfuryl amino purine is a synthetic

- 1) Auxin 2) GA 3) Cytokinin 4) Weedicide

30) Which of the following processes is concerned with Cholodny-Went theory?

- | | |
|-----------------------|-------------------|
| 1) Photomorphogenesis | 2) Photoperiodism |
| 3) photorespiration | 4) Phototropism |

ANSWERS—28-3 29-3 30-4

ALL THE BEST

**By
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