

PG-CET-BOTANY

PRACTICE BITS ON “PHYTOHORMONES”-2

31) Find out the mismatch

- 1) Photoperiodism – Garner & Allard
- 2) Vernalization – Lysenko
- 3) Apical Dominance – Thimann & Skoog
- 4) Avena Curvature Test – Kurasawa

32) Which PGR is responsible for Triple Response Growth?

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

33) Site of perception of light & dark period in plants is

- 1) Leaf 2) Root tip 3) Stem tip 4) Axillary bud

34) Banana is a natural Parthenocarpic fruit because of

- 1) Applying more fertilizers 2) High level of Auxin in the ovary
- 3) High UV Rays exposure 4) It is a tetraploid

35) Which PGR is derivative of Nucleic acids?

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

36) Formation of Callus during tissue culture is an example for

- 1) Redifferentiation 2) Dedifferentiation
- 3) Differentiation 4) Morphogenesis

37) Which of the following PGR is represented by a single type in plants?

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

38) Most of the phytohormones translocated through

- 1) Xylem 2) Phloem 3) Medullary rays 4) All of these

39) Which PGR increases Vase life and shelf life of flowers and vegetables respectively?

- 1) Auxins 2) G. A 3) Cytokinins 4) Ethylene

40) To increase sugar production in sugarcane, we have to spray

- 1) IAA 2) Cytokinin 3) Gibberellic acid 4) Ethylene

41) Sprouting of potato can be prevented by

- 1) Ethylene 2) ABA 3) IAA 4) Zeatin

42) Which PGR causes stomatal closing?

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

ANSWERS—31-4, 32-3, 33-1, 34-2, 35-3, 36-2, 37-3, 38-2, 39-3, 40-3, 41-2, 42-1

43) Ethephon is chemically

- 1) 2-Chloro ethyl phosphate 2) 2,4-Dichloro phenoxy acetic acid
- 3) 2,4,5-Trichloro phenoxy acetic acid 4) 2-Chloro ethyl phosphoric acid

44) Find out the wrong statement

- 1) Precursor for GA synthesis is Acetyl Co-A
- 2) Precursor for Cytokinins synthesis is Tryptophan
- 3) Precursor for ABA synthesis is Xanthophyll
- 4) Precursor for Ethylene synthesis is Methionine

45) The stress hormone that helps plant to respond drought is

- 1) Auxins 2) Absciscic acid 3) Cytokinin 4) Ethylene

46) Which PGR helps from infection of Pathogens?

- 1) Auxins 2) Absciscic acid 3) Cytokinin 4) Ethylene

47) Gaseous PGR is

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

48) The PGR which acts as Antitranspirant is

- 1) Auxins 2) Absciscic acid 3) Cytokinin 4) Ethylene

49) Which PGR induces Dormancy in Seeds & Buds?

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

50) Find out the Synthetic or Artificial Auxins from the following?

- 1) NAA 2) 2,4-D 3) 2,4,5-T 4) All of these

51) Identify the Auxins which can act as Weedicides or Herbicides

- 1) NAA 2) 2,4-D 3) 2,4,5-T 4) Both 2 & 3

52) Which PGR promotes more sec.xylem formation during secondary growth?

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

53) Chemically Gibberellins are

- 1) Steroids 2) Vitamins 3) Diterpenoids 4) Co-enzymes

54) High concentration of IAA induces synthesis of

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

55) Site of perception of Vernalization in plants is

- 1) Leaf 2) Stem tip 3) Floral bud 4) Axillary bud

56) Which pigment induces flowering during Photoperiodism?

- 1) Florigen 2) Vernalin 3) Phytochrome 4) All of these

ANS—43-4, 44-2, 45-2, 46-3, 47-4, 48-2, 49-2, 50-4, 51-4, 52-1, 53-3, 54-4, 55-2, 56-2

57) Aging process of plants or plant parts is called as

- 1) Vernalization 2) Photoperiodism 3) Abscission 4) Senescence

58) An enzyme that can stimulate germination of barley seeds is

- 1) α -amylase 2) Lipase 3) Protease 4) Invertase

59) During Tissue culture, High Cytokinin & Low Auxin promotes

- 1) Morphogenesis 2) Caulogenesis 3) Rhizogenesis 4) Organogenesis

60) The universal natural auxin is

- 1) IBA 2) IAA 3) NAA 4) IPA

ANS—57-3, 58-1, 59-3, 60-2

ALL THE BEST

**By
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