Examrace

Competitive Exams: Revision Terminology Part 25

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- High auxin concentration – stimulatory for stem
- High auxin concentration – inhibiroty for root
- Auxin ⇾ female flower increase & parthmograpy induced
- IAA promote liberation of water soluble xyloglucan from cell wall.
- Benzoic acid derivations – powerful weed killer
- 2 – 4 D – Selective weed killer (kills dicots) , Flowering in litchi, prevents food drop.
- IBA – induce rooting of cuttings
- IPA – induce rooting of cutting, natural fruit setting
- NAA – induce rooting cutting, natural fruit setting, prevent sprouting of polatoes.
- Gibberllic acid – terepenes, move by xylem sap. Most effective when applied on whole body, in apical of young leaves & roots, stein elongation, break bud dormancy.
- Bolting of cabbage, promote flower in LDP, increase fruit size & bunch length of grapes.
- Antigibberllics/growth retardants – maleic hydrazide, phosphon D, chlorocholine chloride (CCC)
- C + Auxin ⇛ cell division in non meristamitic parts also induce inorphogenesis.
- Ethylene – not move through air spaces induce flowering, ripening, no of female flower ↑ , ethephone is broken to relase ethglene in plants.
- ABA – terpenoids, inhibit mitosis, induce dormancy, stress hormone, regulate fruit drop.
- Synergism – when combined effect of growth hormone > individual effect.
- Pea seeds in dark contain a lot ethylene but not in light.
- Cytokine prevent chl degradation – Richmond Lang effect.
- Auxanometer – measures growth.
- Crescograph – measures growth in seconds.

- Clinostat – eliminate effect of geotropism.
- Tromatotropism – movement due to injury
- Auxin & Cytokinin – retaord abscission
- ABA & ethylene – accelerate abscission
- Time between perception of stimulus & reaction = presentation time
- Red region of light is best for seed germination.
- Infrared region of light is best for seed domains.
- Senescence
- Whole plant – whole plant die after seed product, monocarpic, rice, wheat, gram mustone.
- Sequential – older & latered regions die & apical produces perennial plant.
- Shoot – aboveground portion dies after producing fruits banana, gladiolus.
- Simull aneous/Synchronoers-elm, maple – all leaf shed in late autumn (Oct) .
- Control of development of form by light = morphogenesis (photo)
- Defoliation of forest tree = 2 – 4 dichlorophynoxy acetic acid
- Fruit ripening – 80 % C_2H_4 + 20 % CO_2
- Agent orange – weedicide containing dioxin.
- Lethal genes are mostly recessive (eg. Thallesemia)
- Manx cat (without tonil) is heterozygous for dominate allde which cause notail, in homozygous it is lethal
- Expressivity – intersity of phenotypic expression of genes may
- Percentages freq with which a gene manifests its phonotypic effect = penetrance
- Colour of pea, wing of Drosophila = Complete Penetrance, Diabetes milletus = incomplete penetrance.
- Gene pool = seem of genes in reproduction gametes of popl.
- Mutation, selection & migration causes changes in genetic drift.
- Only one Y-chr is sufficient to induce maleness
- Controlled sex mechanism = melandrium
- Genes cocated on mitrochondria generally show maternal inheritance
- Epistatis – dominant of are allele on another allele of both loci

- Crossing over is resp. for recombination of linked alleles.
- Bacteria – prokaryotes without ehla.
- Louis pastear – formder of modern bacteriology
- Old Cultures of Gm positive bacteria lose the ability to retain crystal violet.
- Iodine solution act as mordant & help to fix the primary dye to bacteria.
- If mendel studied the T traits with 12 chr instead of 14 chr he would have disc the law of independent assortment
- Rain water is free from bacteria Gm negative fail to retain primary crystal violet stain.
- Bactria flagella – much thinner, rotate round base life propeller hollow, non helical filamentous made of protein pilin.
- Bacteria – peptidoglycan – N acetyl glucosamine (NAG) & N – acetylmuromic
- Acid (NAM) held by β 1, γ linkages 4AA – lalanine, D – Glutamic acid, Hysine, D alanine

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