

Examrace

Competitive Exams: Revision Terminology Part 11

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Trees

1. Crown shaped – Caudex – stem unbranched with a crown of leaf at top – Date palm, coconut
2. Pyramid shaped – Excurrent – acropetal succession – pine deodar, cedrs.
3. Dome shaped – Deliquescent – Mango, ficus, Dalbergia
4. Culms – stem – long hollow unbranched – nodes & internodes clear – Bamboo

Life Span

1. Annual – in 1 year – paddy, pea, sunflower, Cauliflower.
2. Biennial – in 2 year – slow growth due to temperature – Radish, turnip, Carrot in India warmer so growth is fast behave as annuals.
3. Perennial
4. herb – banana, ginger, doab grass.
5. Shrub – Rose, Henna.
6. Trees – ficus, sequoia
7. Monocarpic – flower once in life – Bamboo, Agave.
8. Polycarpic – Repeated flowering – Mongo, Eucalyptus, Acacia
9. Roots – Anchorage & absorption, (absent in hydrilla, Certaphyllum) .
10. Root Cap – Pandanus (from root apex) .
11. Root pocket – Hydrophytes – pistia, Eichornia, Lemna (not Regenerated)
12. Aquatic – root hair absent in mycorrhiza & Parasitic roots.
13. Climbing plant → Epiphytic life – philo Dendron, Monostera (pseudo epiphyte)
14. Roots of amphibious plant (rice) release O₂ & Oxidize environment.
15. Stem → root (hard like thorn) = Pothos = root thorns
16. Leaf → root (adventitious) – Bryophyllum, Begonia – leaf roots.

Tap Root

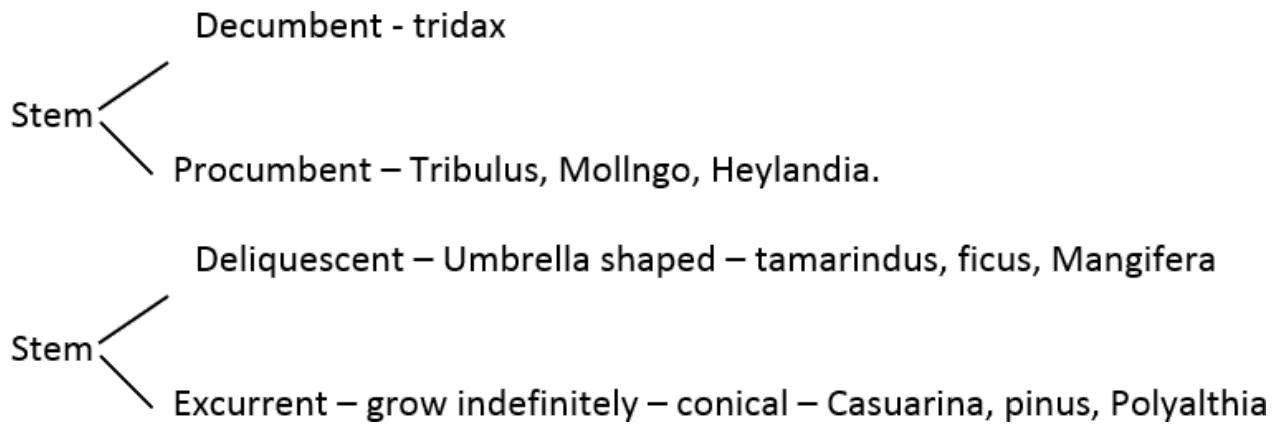
1. Fusiform – Radish
2. Napiform – Turnip
3. Conical – Carrot
4. Tuberous – 4 ' o Clock plant

Branch Root – Pneumatophores – Avicenna, Rhizophora Adventitious Root

1. Tuberous – sweet potato
2. Fasciculated – Dahlia, Asparagus
3. Palmate – Orchis.
4. Nodulose – mango ginger, arrow root
5. Beaded/Moniliform – Bitter gourd, Indian spinach
6. Annulated – Cephaleis, Psychortia.

Adventitious Roots

1. Prop root – support – Banyan.
2. Stilt root – pandanus, maize, Sugar cane, pennisetum, Sorghum
3. Buttress root – Ficus religiosa (peepal) , Bombax
4. Climbing root – money plant (pothos) , betel, black pepper
5. Clinging root – orchids, ivy.
6. Haptna – podostemon
7. Contractile root – Circus, onion, canne
8. Nest roots – Dischidia refflesiana (root climber) – leaf → pitcher to collect hummers
9. Haustoria – Sucking root – Dodder (cuscuta)
10. (10) Floating roots – Jussiaea repens.
11. Epiphytic roots – velamen – orchids, vanda.
12. Assimilatory roots – Tinospora, Trapa.
13. Reproductive roots – sweet potato (trichosanthes dioica)
14. Non epiphytic (Geophytic) plant – Sobrelia , phyajas – velamen roots.
15. Myremecophily – Association of plant & ants – myremecophily achivata (rubiaceae)
16. Twiners (dir – Specific & genetically determined) (1) Dextrose – Clockwise – Discorea Hop
17. Sinistrose – anticlockwise – Bean, Clitoria, Convolvulus.
18. Shrubs Climbers – Climb by hooks – Stragglers – Bougainvillea, Artabtrys.
19. Large woody climber – Climb to treetop – lianas – Hystage, Gnetum, Ventilago, baughinia vagii.



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20. Rafflesia – Seeds dispersed elephant pollination Occurs by mites.

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