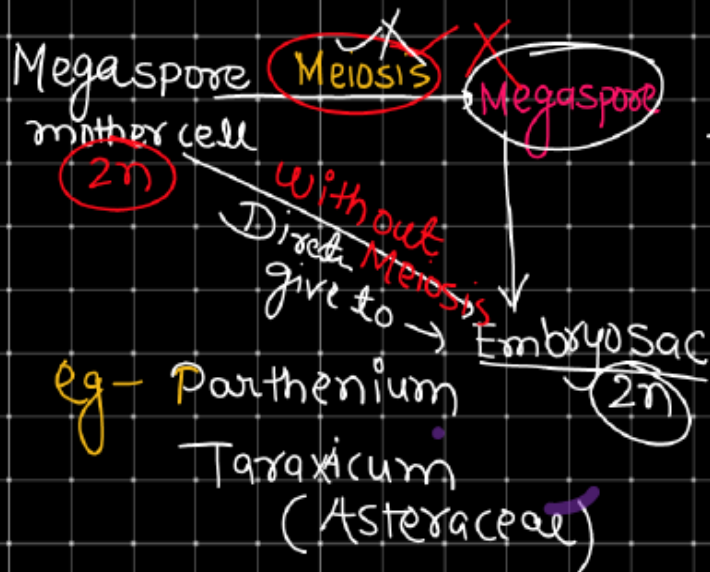


ASEXUAL REPRODUCTION

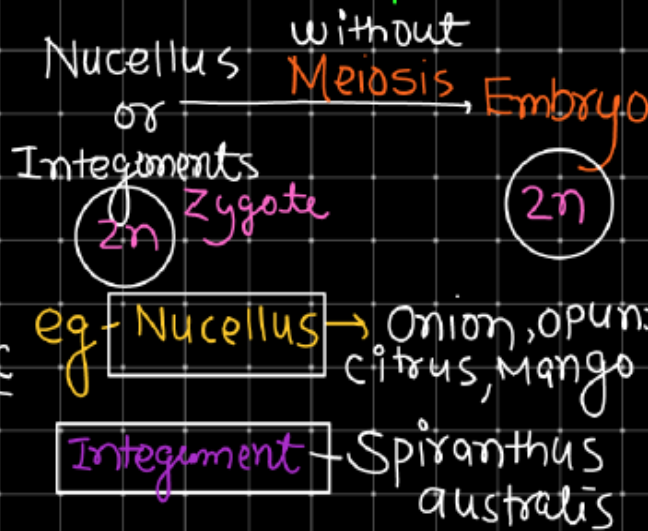
(Apomixis, polyembryony)

AGAMOSPERMY
(without) Fertilization (Seed)

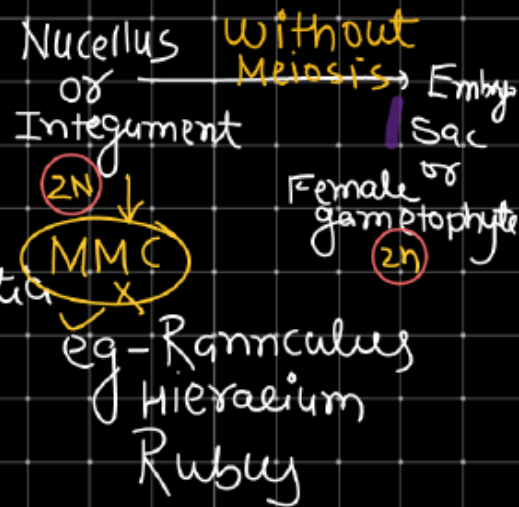
DIPLOSPORY



ADVENTIVE EMBRYONY



APOSOPRY



APOSPORY

Megaspore
mother cell

Nucellus
or
integument
 $(2n)$

Without
Meiosis

Embryo Sac
 $(2n)$ or
Female gametophyte
Always

eg - Ranunculus

Apomixis

without | mixis

Non-Recurrent Apomixis

• Haploid parthenogenesis

• Egg cell (n) without fertilization embryo ($2n$)

Recurrent Apomixis

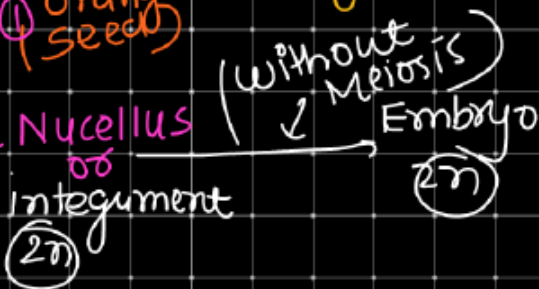
Diploid parthenogenesis

- Apogamy
- Pseudogamy
- Adventive embryony
- Agamospermy
- Semigamy
- vegetative Repro.

polyembryony Leewenhock

More than one embryo

eg- ① Citrus, Mango
② orange seeds



Parthenocarpy

Formation of fruit from unfertilized ovary is known parthenocarpy.

⇒ parthenocarpic fruit
(pomegranate)

Parthenogenesis

Formation of embryo from unfertilized egg cell