



INTERMEDIATE

Biology : Reproduction In Organism

Hand Notes For JEE Mains, Advance, NEET UG, Class 11 & 12 etc...

Hand Notes

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Reproduction in organisms

* REPRODUCTION

Biological Process in which an organism give rise to young ones similar to itself.

ASEXUAL

- # single parent involved
- # pds → CLONES
- # simple, quick process
- # less genetic variation

SEXUAL

- # 2 parents of opposite sex.
- # pds → OFFSPRINGS
- # complex, elaborated, long process
- # Maximum genetic variation

SOMATOGENIC REPN.

* ASEXUAL REPRODUCTION

FISSION

a single cell divides into 2 or more cells

ENCYSTATION & SPORULATION

unfavorable conditions in amoeba.

BUD FORMATION

An outgrowth in the parent body develops into bud and finally gets detached from the parent and that develop into a new organism.
eg:- Yeast, Hydra.

BINARY FISSION

eg:- Amoeba (Par)

MULTIPLE FISSION

eg:- Plasmodium.

ZOOSPORE

- # motile, biflagellate, microscopic unicellular cells
- # produced in zoosporangium
- # Help in reproduction in fungi, algae, etc.

CONIDIA

Reproductive structures of penicillium.

GEMMULE

Repn in sponges is via gemmule (intracellular growth)

VEGETATIVE PROPAGATION

via vegetative propagules

- Runner (R) → Grasses
- Rhizome (R) → Ginger
- Sucker (S) → Mint, Jasmine
- Tuber (T) → Potato
- Offset (O) → Eichhornia
- Bulb (B) → Onion
- leaf surface → Bryophyllum