

Topic: Embryo

B.Sc. Botany Subs. II

Group: B

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Embryo:

- After fertilization, the fertilized egg is called zygote or oospore which develops into an embryo.
- The oospore before it actually enters into the process undergoes a period of rest which may vary from few hours to few months.
- Generally the zygote (oospore) divides immediately after the first division of the primary endosperm nucleus.
- Unlike gymnosperms where the early stages of the development show free nuclear divisions the first division of zygote is always followed by wall-formation resulting in a two-celled pro-embryo.

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- Practically there are no fundamental differences in the early stages of the development of the embryos of monocots and dicots.
 - But in late stages, there is a marked difference between the embryos of dicotyledonous and monocotyledonous plants, hence their embryogenesis has been considered here separately.