

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE CLASS-VII

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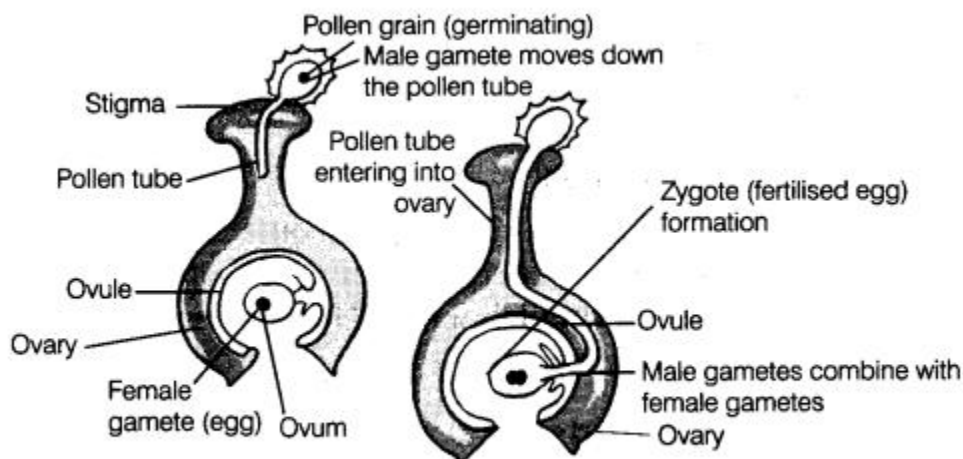
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### ► 8. Reproduction in plants

#### **Fertilisation :**

The process in which the male gamete fuses with the female gamete to form a new cell (called zygote) is called **fertilisation**.

When the pollens are deposited on the stigma of the pistil, it begins to germinate. After some time, a long pollen tube is developed from the pollen grain which passes through the style towards the female gametes in the ovary. The male gametes move down the pollen tube and the tube enters the ovule present inside the ovary.



The process of zygote formation: fertilisation

The tip of pollen tube bursts and the male gamete comes out of the pollen tube. Inside the ovary, the male gametes fuse with the female gametes present in the ovule to form a fertilised egg cell which is called **zygote**.

The zygote develops into an **embryo** which is a part of a seed that develops into a new plant.