Honey Bee

Systematic Position

Kingdom - Animalia

Phylum - Arthropoda

Class - Insecta

Genus - Apis

Species - A. indica

⇒ Artificial rearing of honey bee to get wax & honey on large scale is called apiculture.

⇒ Study of honey bee is called Apicology or Melittology

Entomology - Study of insects.

⇒ Hive / Comb

Three castes of Honey bee

Queen Bee :-

⇒ only one in number.

⇒ Fertile female.
↳ can reproduce.

⇒ Food → Royal jelly.

⇒ Life span = 2 to 5 years.

Morphology (Study of external structure)

⇒ Large in size (Elongated)

⇒ Wings & legs are small in size.

⇒ By fertilization

⇒ Diploid (32 chromosomes)

Function :-

⇒ To lay eggs.

⇒ To secrete Pheromones

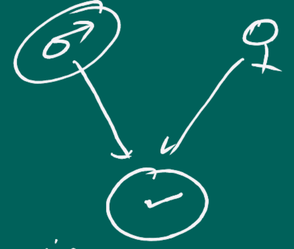
Smell - Identical.

(7) - - - -

(a) To lay eggs

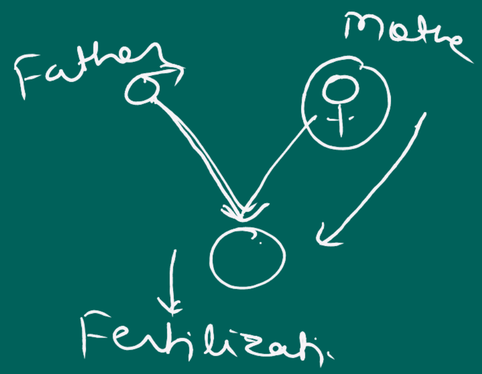
(b) To control

Drone bee



⇒ Fertile male.

⇒ Develop from unfertilized ovum. (This Process is called Parthenogenesis)



⇒ Haploid (16 chromosomes)

⇒ No father. [It has grandfather]

⇒ Laziest member of hive.

⇒ Beggar of hive.

⇒ Fanning - Temperature of hive is increased.

⇒ To mate with queen Bee.

⇒ Moderate size (Smaller than queen bee but larger than worker bee)

⇒ Hairy.

⇒ Food — Honey bread.

⇒ Life span = 2 months.