

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 Apiculture 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

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- | |
|----------------|
| 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.



