

Module ZH301: Morpho-anatomical studies (23)

Study of distinctive characters in the external morphologies of (5) -

Crab, Prawn, *Achatina*, *Pila*, *Lamellidens*, Honeybee, Spider, Leech, Sea Star, Dogfish, Flatfish, Rohu, *Mystus*, Toad, Frog, House lizard, Garden lizard, Checkered keelback snake, Russel's viper, Pigeon, Bat

Study of exoskeletons (3): fish scales (ctenoid, placoid and cycloid), feathers (different types found in a pigeon)

Study of skeleton and identification of skulls (5):

Skeleton of a guinea-pig,

Skulls of- toad, garden lizard, venomous and non-venomous snakes, bird, dog.

Dissecting the body to reveal anatomical peculiarities (10): in cockroach: digestive system, nervous system, male and female reproductive systems; in *Tilapia/Oreochromis* (urino-genital system, brain and vagus distribution, pituitary gland)

Module ZH302: Identifying important and common animals (12)

Mention the systematic position, specimen name and specimen characters only for the following animals:

*Paramoecium*, Sponge (*Scypha* and common freshwater sponge), Jelly fish, *Obelia* colony, *Taenia solium*, Liver fluke, *Ascaris*, *Nereis*, *Limnea*, *Bellamya*, Octopus, Cuttle fish, *Daphnia*, *Scylla*, *Ocypode*, *Penaeus*, Scorpion, Cerambycid beetle, Water scorpion, Preying mantis, Aphid, Earwig, Bumble bee, Potter wasp, *Polystes* wasp (common yellow wasp), Sea-star, Sea cucumber, Sea-urchin, Sea-lily, *Balanoglossus*, *Ascidia*, *Amphioxus*, *Petromyzon*, Myxine, Sting Ray, Flying fish, *Monopterusuchia*, Caecilian, Tree frog, Salamander, Axolotl larva, Skink, *Varanus*, *Ptyas*, *Naja*, Russel's viper, Bandicoot, *Mus musculus*, Flying fox, Pippistrel bat

Module 303: Outdoor animal watching (5):

Field trips to any locations suitable for watching animals in their natural habitats and natural mood as much intensively as possible (for example, watching surface swimming insects in a stream or pond, the inter-tidal fauna in estuary or coast, bird watching, butterfly watching, etc.) and noting down own observations in a field diary.

**Lab note book:** 5 (should include actual lab sketches)

**Viva voce:** 5