Date: 25 July 20

Practical 3

Aim

To study a few selected animals on the basis of their external features.

Principle

: Diversity among animal kingdom is enormous, s Systematic study of such a huge number of animals would not have been possible without a Bohez classificant would not have been possible without a Bohez classificant whals have identified sufficiently large number of animals varyting from microscopie Protograms to animals varyting from microscopie and classified on their phylogenetic dissimilarities as well as on their phylogenetic relationships. In the present shedy, emphases has been put on modified features. The classification given at the and indicates their systematic Position.

Instruments: Representative animals (slides, museum specimens, models, motographs, charts), microscope.

Specimens: (Classify according to Whittaker classification)

1. Amoeba:

Phylum: PootoZoo

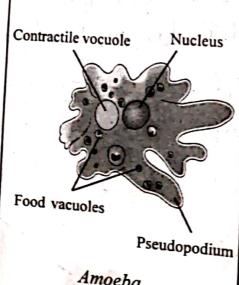
Class: Sarcodina

Characters:

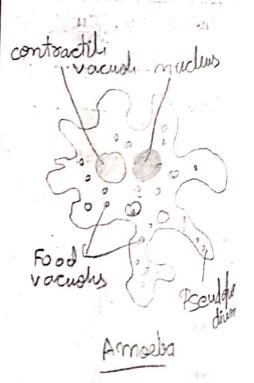
(i) whole body is made up

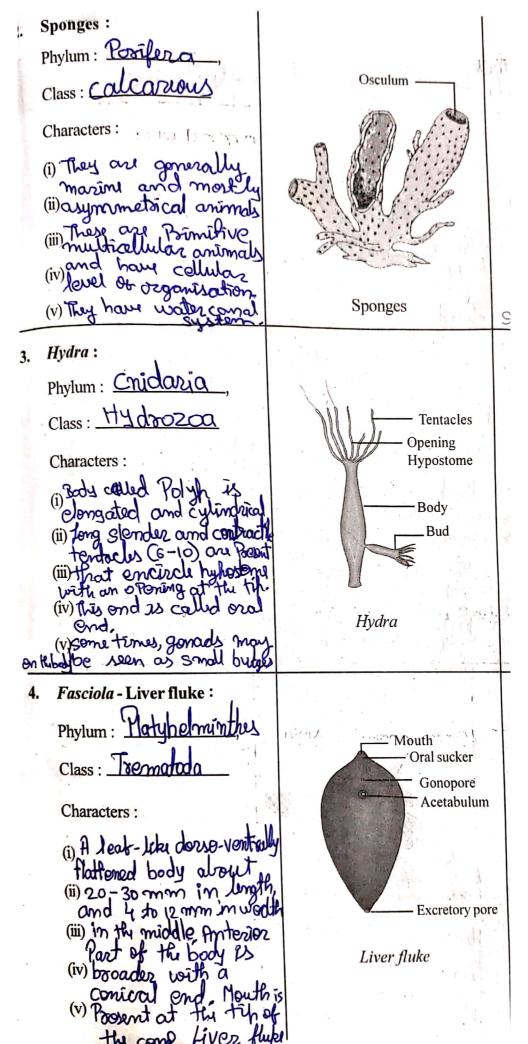
(ii) Body shahe is jozegulo

in the cytoplain



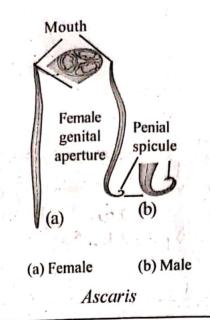
Amoeba

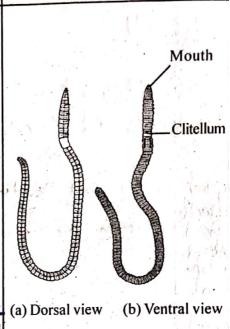




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Ascaris (Round worm): Phylum: Aschelminthe Class: 1 Comotodo Characters: (i) Body is 20 to 40 cm long. (ii) cylinderical (5 to 6 mm) diameter with no sagment (iii) tation. Sexes are sonoral (iv) the females are longer world. Both ands and (v) male is ventrally curver Pheretima (Earthworm): Phylum: Amelida Class: Oligochae Characters: (i) Body , narrow and clarget bout 150mm in hand 3 to 5 mm m (iii) The anterior end of the y is pointed whereal or puro solichite





Earthworm

Leech (Hirudinaria): 7.

Phylum: Hmelida

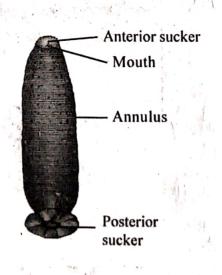
Class: Hirudinea

Characters:

(i) The body is elongated with

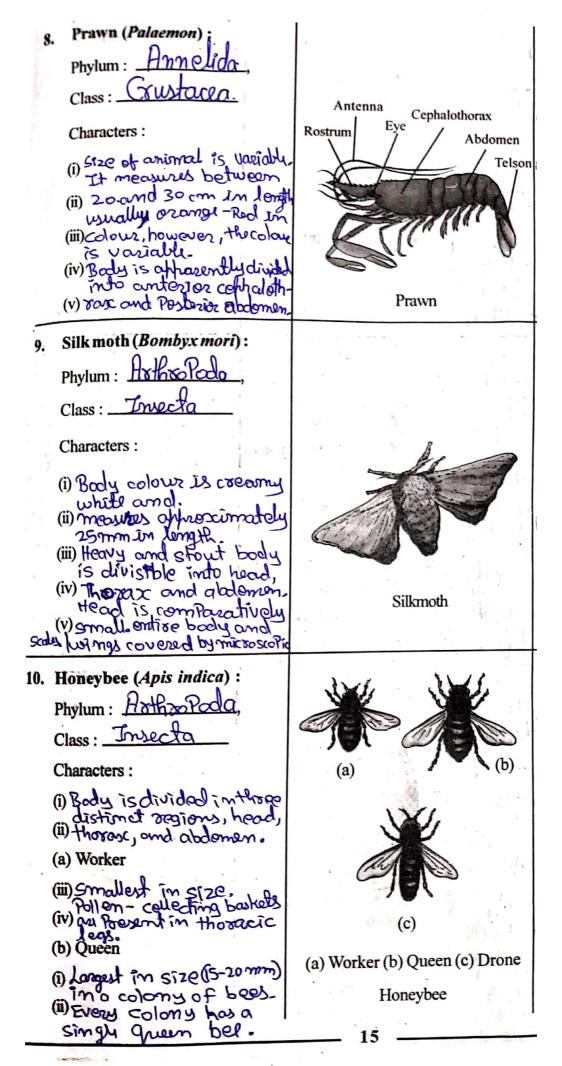
(iii) yentral surface is yellow-(iv) size varies from 6 to 10

cm in length.



Leech

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11. Apple Snail (Pila globosa):

Phylum: Mollusca,

Class: Gastrehoda

Characters:

(i) Body of the animal somains lodged with

(ii) in a hard and ont-

(iii) calcageous shell.

(iv) The body consist of four regions; head, amonth(v) foot, viscoral mass,

Shell
Operculum

Pila

12. Starfish (Asterias):

Phylum: Echimodermata

Class: Asteroidea

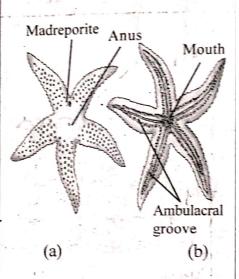
Characters:

(i) It is an unique moin

(ii) It can be identified by its Star-shahed Pentam

(iv) disc from which for takering arms radials.

v) The lower surface is called oral surface.



(a) Aboral view (b) Oral view Star fish

13. Shark (Scoliodon):

Phylum: chordata.

Sub Phylum : Vertebrata

Super Class : Yisces

Class: chandrichthyes.

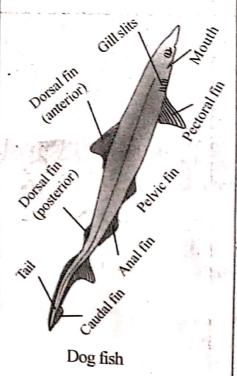
Characters:

(i) Body measures who 60

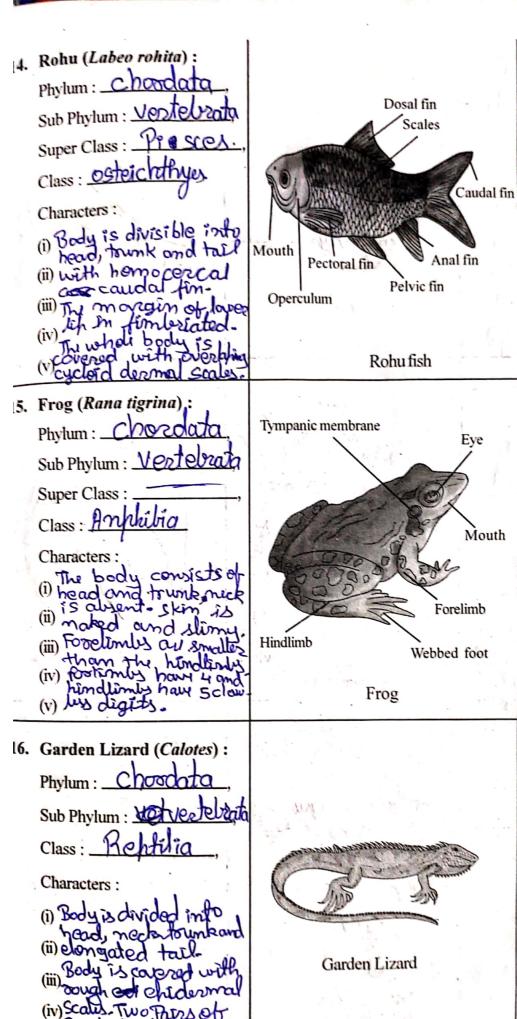
(ii) Body is divided into head it sunk and tail (iii) Tail is elongated with

(iv) A median grapour like

(v) cloacal aporture is situated ventrally between two Pelvic fine



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17. Pigeon (Columba livea):

Phylum: Choodata,

Sub Phylum : Vertel rata

Class: Aves

Characters: Kabutaz.

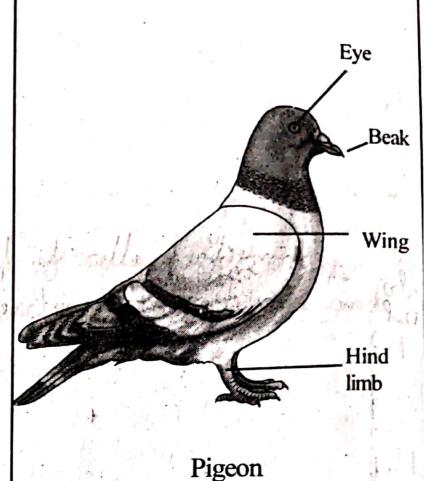
(i) Body covered with feathers.

(ii) A small and round head, having beak

(iii) without teeth. In addition the head

(iv) bears a Pair of large eye

(v) and offening of the



18. Rabbit

(Oryctolagus lagomorpha):

Phylum: chordata

Sub Phylum : Vertebrata

Class: Mammalia.

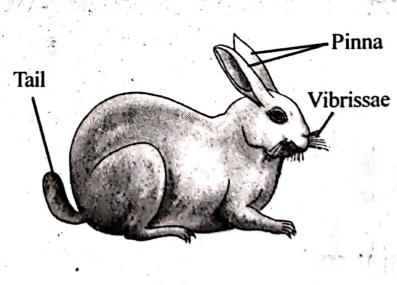
Characters:

(i) A modium sized in

(ii) bright when adult

(iii) harr, and its divisible much, meck, fink,

(v) Pail ishort, whitedy



Rabbit

Scallieu With Can

Ques. 2: What are the important differences of workers, queen and drones in honey

Ans.	
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	Honey bee		
Queen	Workers	Drones	
· Largest in size	· Eyerare lorge but smaller than Drones	but smaller than	

Ques. 3: Mention two main differences between male and female Ascaris.

Ans.

Male Ascaris	Female Ascaris
(1) Shorter than femaly	longer than I males.
(ii) End is Pointed, Posterior but male is ventrially Curved. (At End)	End is Pointed, Posterior and no ventsfally curved. (At end).

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