27/04/2018 B. Sc. Part I Zoology Hors Paper I'A' Phylon Modhusca. Type straly-Pile Pile Globosa Pile globosa, commonly called Apple Snail belongs to Phylum Mollingeo The genne Pile is werely found in orien and Ethiopian region. In the Oriental regins it is found is Freder (Except Punjeb and Sinch, Burne, Silenke and other south each region of Asiatie Continent. But the Common execus found is Indie is Pile globale. 9ts Systematic position is Phylum - Mollusce clarer - cepholopoole Brastropode Subclares - Prosobranchie order - Megagestropode Crems - Pile Species - globosa. Habit & Habitet so Pile globosa is one molluses. It is commonly found is freehwater povols, pools freehwater povols, pools, tanks, lekes REDMI NOTE GEPRO ille etc.

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Ve epiro animale viita ale with amphibing

of lige to the Excternal Features -> Shell -> The Shell of Pile, as is other coiled gastropode, is universe lond a right harded apiral. The top of the shell is the light of the shell is the apre which is formed fixet a growth of shell takes place from it; the apre contains the smallest and the oldred whose Below apre is a spise concieting of several encuesively larger whork or coil followed by penultimet whost and the largest whost or body whose which encloses most of the body The lines between the whost on cally entures. Interrolly, all the whork of the Shell are freely communicate cists one another; euch a shell is called unitocular. The body whost has a large wouth or opening, the warge of the would is called a peristome from which the head and the first of the living animal can protoude. Operculum - Fitting into the worth of a shell is a colcareous operalum it outer surface shows a number of sings of growth asound nucleus. The operulens is, recreted MI DUAL CAMERA glercheler Cells of the for

Apar of Cola entere permittimet, - body when - outer lip. · collimeller lig would or aperture l'ile globore: ventrale view Body: The body Conciets of a head, a fort and a viscosel male. In an expanded animal the head and foot come out of the shell-would but the viscosel more lie inied the Shell-whorts. A collumilles muche areas from the fort and is incerted in the columeble it attaches the body to the shell and it with draws the arrival incide and closer the operules. (i) Head - The head bears two pairs of tentacles. The first pair of tentacly or blied pelps an smell and lie is front, the hirdu point is longer. A pein of eyes borne on stalks an also precent lestind the tertockes and are called omnate phores. (ii) Foot - Below the head is a large menter fort. 9t is trainguler with the aper pointing backward. when Refool D' REDMI NOTE & BRO the operations closer the

mouth of the shell . In the foot is a pealed mucous gland which from it elime trail during bocomotion. Waves of Contraction which sweep from the anterior to the posterior end of the foot provide the main power for bocomotion, (iii) Viscoral mass - Above the head foot complese is a viscerel mass Containing the main organs, it fills all the whorks of the shell and it is spirally coiled like the Shell. The viscesel mees exhibit, the phenomen of torsion wheel is distinct for coiling. (iv) Maulle - The mentle, also called palling covers the viscol more and forms a hood over the animal when it withdraws. The edge of the mentle is thick and contain thele glends which secrete shell. The mently also has two fleely lobes called muchel lokes or which an joined on either eide of the had (V) Martle Cavity & pollier Complex - 13 the auterior people, then is a large Space between the martle and the body, they is a mentle or pallied Cavity, shifted to anterior due to tosins. It encloses a no. of organs and the head can be withdown isto it. There together is colled palliel Complex. Epitamia, desity it isto two chambers - Right REDMINOTE 6 ipro Cerity and light light pelmo MI DUAL CAMERALANY lec. A 8ingle gill

or atendium, is present to the pul chember, along with anne and quitel aporture. Near tre left blind pulp a fleely osphradium, a typical mollusca, sence organ is present. - viscoel we Front view showing Pile globose Digetive System The diguline system of Pile composites 1. a fululeor alimentary Cen ealivary glands 3. a large digestive gland.

1. Alimentary Carel - The almuntery of the provided in the second head in the s is distinguished is to three regions - Fox gut, medynt & hind THE 6 PRO mouth ) mouth, buccal was and occopying

V) Mouth - The would it a narrow virtical elit estated at the end of smout. There are no tous lips but the alone edger alone win (ii) Buccal walf - The month had it to a large thick wells. The antisor part of the Cavity of lonced was in vestibule. Behind the vestibule an two jews herging to the not of the breech wares. The fews bears muscles and their antision edges for teets-like projection for cutting up (iii) Buccal Cavity - Behind the jaws is a large of the lonced cerity is a large elevetion called adontophore. The food part of odontophore has a furriwal embreduter organ which helps in cutting from. The odentephose has protractor and retractor mulels and two pairs of carlibges carlibges, a pair of superior carlibges which project is to the lonced Cerity and a pair of large 5-shaped between contileges. Radule - Above and lecherd the odontophere is a log-like sadular lac cubics is a directiculu of the louccal Cavity. The gadular leve has transvoice your of calle called adoutablasts. The vachula mover firwered and brekeward in the REDMINOTE & PROOFE for racking find perticles DUAL-EAMERA movements of radula and

19-7 colled chais Saw movements. in Decophagus - The loncial wave leads is to a long various occopying. From the new the orizes of the oceophyr axise a pair of round, whitish occupancy pouches. They arise by short ducts and he below the edining glards. They are prolongations of the occophages, they probably excesse digestive enzymes. Decoplaged pouches serve for a temporary shortage of fivel and dig begins in them weden done later posteion All All - Buccal duro latre - Rectum. occophagus pour celivery glands inteline Radulan Stores Pile globosa: Alimentary Cenel THESE Lucard Transform housing rows y teeth Le globosa: 11, The rochule (ii faux REDMI NOTE & PRO MI DUAL CAMERA

Megul - 5t includer stormes & intelling Stomach is devided into cardine and prove chamber. The carolise chamber is sometile and there follow is it . The pyline postions has carecu From the pyloric chamber arise and interters which mus along author edge. 3t they, Hirgh - Firm the pyloric chamber arises on Inhetine which ours along and turs upward and backwords in viscost mas . It forms 21 or 3 coely before joening the rectures. The rectum is terminal perl and is thick welled fube. 5+ enters the mentle carify and possess downwords to open by on and whe right of the herd. 2 Salivery glevely - the two salivary each eide of the postion limit of the buccal wars and partially covers the occophague. The duct of each gland begins mer it isterel auterior comme and immediately enters the much of the buccel much and opene isto he lenced carity. The weseting of Relivary glands contains mucus and an enzyne which digute stards REDMINOTE 6-PRO Glend - The digestive MI DUAL FAMORIES PRO F gland, also called to pansees, is somewhat

traingular plate or come with a comose outer and more or her plattered some surface.

The gland is brownies or dirty gree colors, made up of a no. I fine tubules.

bound together by commedia tissue. They produce a brown liquid containing or, enzyme which dieso has cellulose of plants is the stormers.