

B.Sc.PART I EXAM. 2019

ZOOLOGY HONOURS PAPER I

1. Select the correct answer from the options given below :

- (a) How many uninucleated trophozoites are produced from a single cyst of *Entamoeba histolytica* ?
(i) One (ii) Two (iii) Four (iv) Eight
- (b) Larval forms of *Scypha* is known as a :
(i) Stomablastula (ii) Amphiblastula (iii) Planula (iv) Hydraula
- (c) Paramylon is the reserve food material of :
(i) *Giardia* (ii) *Englena* (iii) *Sycon* (iv) *Leishmania*
- (d) Tentacles of *Hormiphora* bears specialized cell called as :
(i) Celloblast (ii) Cridoblast (iii) Nematoblast (iv) All of these
- (e) Shell of *Polystomella* consists of :
(i) NaCl and Silica (ii) CuSO_4 and MgSO_4
(iii) CuSO_4 NaCl and Silica (iv) CaCO_3 Silica and MgSO_4
- (f) Which of the following animals is mainly Urotelic ?
(i) *Obelia* (ii) Insect (iii) Earthworm (iv) Fishes
- (g) Sperocyst is a larva of which of the following animals ?
(i) *Aurelia* (ii) *Taenia* (iii) *Fasciola* (iv) *Sacculina*
- (h) Which of the following nephridia is commonly known as forest of Nephridia?
(i) Pharyngeal Nephridia (ii) Septal Nephridia
(iii) Integumentary Nephridia (iv) All of these
- (i) The Gizzard in Earthworm is located in which segment ?
(i) 6th Segment (ii) 8th Segment (iii) 10th Segment (iv) 12th Segment
- (j) Which of the following is a feeding zooid in *Obelia* ?
(i) Hydranth (ii) Blastostyle (iii) Gonozooid (iv) Dactylozooid
- (k) Lac is produced by :
(i) *Apis* (ii) *Philosamia* (iii) *Laccifer* (iv) *Aphid*
- (l) The basis of classification of phylum *Annelida* is :
(i) Spicules (ii) Cilia (iii) Setae (iv) Tubofeel
- (m) Sandworm is a member phylum :
(i) *Annelida* (ii) *Mollusca* (iii) *Echinodermata* (iv) *Coelentrata*

<https://www.tmbuonline.com>

- (n) Siphoning type of mouth parts are found in
(i) Cockroach (ii) Honeybee (iii) Butterfly (iv) Housefly
- (o) In *Sycon* food is captured by :
(i) Porocyte (ii) Amoebocyte (iii) Choanocyte (iv) Collocyte
2. Give the charactersitic features of Phylum porifera. Classify the phylum giving at least one example of each group.
3. Give an account of general organization and affinities at *Hormiphora*.
4. Give an account of structure and life history of *Aurelia* with suitable diagram.
5. Give an illustrative account of life history of *Fasciola hepatica*.
6. Describe the blood vascular system of *Pheretima* before 14th segment with suitable diagram.
7. Describe the respiratory organs and mechanism of Respiration in *Unio* with suitable diagrams. <https://www.tmbuonline.com>
8. Describe the structure and life cycle of *Entamoeba histolytica* and mention its pathological effects in man.
9. Describe different types of Mouth parts found in insects and mention any two of them with suitable diagrams.
10. Write short notes on any three of the following :
(a) Parasitic castration (b) Nephridia (c) Gemmule (d) Radula of *Pila*
(e) Osmoregulation in paramoecium (f) Flame cell (g) Osphradium (h) Spicules

<https://www.tmbuonline.com>

Whatsapp @ 9300930012

Send your old paper & get 10/-

अपने पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से