

UNIVERSITY OF EDUCATION
"UEXAM" Semester-III, 2023
BS Chemistry/Botany/Zoology Session:2021-25

Course Code: ZOOL2111
Subject: Animal Diversity-I

SECTION: I (MCQ's)

Time Allowed: 20 Minutes

Max. Marks: 18

NOTE: Encircle the correct/ best answer in each of the followings. Each Question carries 1 mark. Use of remover carries zero mark. Cutting and Overwriting is not allowed.

Q1.

No. 289

Roll No. (in fig.) _____

Roll No. (in words) _____

Candidate's Signature. _____

Signature of Addl. Supdt. _____

- A regular arrangement of the microtubules which underlines the plasma membrane of many protozoa is called:
a) Ectoplasm b) Endoplasm c) Pellicle d) Mesoderm
- Contractile vacuoles of fresh water protozoans remove:
a) Heat from the cell b) Undigested food c) Excess water d) CO₂
- The host that harbor the sexual stage of parasite is called:
a) Intermediate host b) Definitive host c) Mother host d) Immature host
- Filopodia contain:
a) Only Endoplasm b) Only Ectoplasm c) Endoplasm and ectoplasm d) None of All
- Outer surface of sponge is lined with thin flat cells called:
a) Choanocytes b) Pinacocyte c) Spicules d) Mesenchyme cells
- The Chinese liver fluke, *Clonorchis sinensis* is a common parasite of the human in:
a) Asia b) Europe c) Africa d) America
- All species of tapeworms are endoparasites and usually resides in the vertebrate:
a) Reproductive system b) excretory system c) Respiratory system d) Digestive system
- The oldest part of bivalvia shell is a swollen area near the shells anterior margins and is called:
a) Umbo b) Mental c) Pearl d) Operculum
- Segmental arrangement of the body parts in an animal is called:
a) Metamerism b) Autotomy c) Regeneration d) Metamorphosis
- A series of segments in the anterior half of an oligochaete is usually swollen into a girdlelike structure called:
a) Cacoen b) Clitellum c) Prostomium d) Setae
- A external jointed skeleton which encloses arthropods is called:
a) Shell b) Skeleton c) Exoskeleton d) endoskeleton
- Adult tapeworm range in length from:
a) 5 to 6 m b) 1mm to 25m c) 10cm to 100cm d) 1 to 9 m
- Adult beef tapeworm *Taeniarhynchus saginatus* a parasite of human lives in:
a) large intestine b) stomach c) bile duct d) small intestine
- The procuticle is arthropods is composed of:
a) Chitin b) protein c) lipoprotein d) fats
- The process of radical change in body form and physiology when an immature stage, usually called a larva, becomes an adult is called:
a) Regeneration b) metamorphosis c) molting d) polymorphism
- Modern adult echinoderms have a form of body symmetry called:
a) Bilateral symmetry b) radial symmetry c) pentaradial symmetry d) none of above
- Annelids possess chloragogen tissues which acts similarly to the:
a) Vertebrates gills b) vertebrate liver c) vertebrate kidney d) invertebrate kidney
- Nitrogenous wastes of oligochaetes include:
a) Urea b) ammonia c) uric acid d) Ammonia and uric acid

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Subject: Animal Diversity-I

Time Allowed: 100 Minutes.

Max. Marks: 42

Section II (Short Answer)

Q.2- Write short answers of the following.

2x9 = 18

- i. What is the difference between coelomates and pseudocoelomates?
- ii. What do you know about symbiotic ciliates?
- iii. How the organisms evolve according to syncytial hypothesis?
- iv. What are spicules?
- v. What do you know about tagmatization in arthropods?
- vi. Differentiate between polyp and medusa.
- vii. What is a nematocyst?
- viii. Define schizocoel hypothesis.
- ix. What is hemocoel?

Section III (Essay Type)

Answer the following Questions

8x3 = 24

- Q. 3. Discuss in detail class Arachnida.
- Q. 4. What do you know about class Bivalvia? Discuss in detail.
- Q. 5. Write a detailed note on class oligocheata.