



UNIVERSITY OF THE PUNJAB

First Semester – 2019

Examination: B.S. 4 Years Program

Roll No. in Fig.

Roll No. in Words.

PAPER: Zoology-I (Invertebrate Diversity)

MAX. TIME: 15 Min.

Course Code: ZOOL-101 Part – I (Compulsory)

MAX. MARKS: 10

Signature of Supdt.:

Attempt this Paper on this Question Sheet only.

Please encircle the correct option. Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Q.1. Encircle the right answer, cutting and overwriting is not allowed. (1x10=10)

1. One of the simplest and the most common form of asexual reproduction is
 - a. Budding
 - b. Binary fission
 - c. Multiple fission
 - d. Schizogony
2. Lobsters belong to class
 - a. Branchiopoda
 - b. Copepoda
 - c. Arachnida
 - d. Malostraca
3. Tapeworms are
 - a. monoecious
 - b. parthenogenetic
 - c. dioecious
 - d. Asexual
4. The percentage of all plant species, pollinated by insects is
 - a. 45%
 - b. 65%
 - c. 55%
 - d. 75%
5. The fluid filled, intracellular capsule enclosing a coiled hollow tube used for defense and feeding in cnidarians is called
 - a. Nematocyst
 - b. Cnidoblast
 - c. Cnidocyte
 - d. Mesoglea
6. The length of most polychaetes is between
 - a. 5 to 10 cm
 - b. 10 to 15 cm
 - c. 2 to 10 cm
 - d. 2 to 8 cm
7. The two breaks in a chromosome, followed by the broken ends rejoining with the central segment flipflopped is called
 - a. Deletion
 - b. Translocation
 - c. Inversion
 - d. Duplication
8. Some of the oldest known fossils of eukaryotic organisms are
 - a. Heliozoans
 - b. Foraminiferans
 - c. Radiolarians
 - d. Dinoflagellates
9. Down Syndrome is a chromosomal nondisjunction of
 - a. Chromosome No. 19
 - b. Chromosome No. 21
 - c. Chromosome No. 20
 - d. Chromosome No. 22
10. Amoeba belongs to phylum
 - a. Sarcomastigophora
 - b. Apicomlexa
 - c. Ciliophora
 - d. Microspora



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PAPER: Zoology-I (Invertebrate Diversity)

Course Code: ZOOL-101 Part – II

MAX. TIME: 2 Hrs. 45 Min.

MAX. MARKS: 50

ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Question No. 2. Write short answer of the following questions (2X10=20)

- I. What is hydrostatic skeleton?
- II. What are autosomes?
- III. What is translocation?
- IV. What are symbiotic ciliates?
- V. What is Incomplete dominance?
- VI. What is Metamorphosis?
- VII. What are filopodia?
- VIII. What is pentaradial symmetry?
- IX. What is Tagmatization?
- X. What are Flame cells?

Question No. 3. Explain the following questions? (10X3=30)

- I. Write a detailed note on Mendelian Law of Independent Assortment?
- II. What are the different body forms of sponges?
- III. Describe Metamerism. Also discuss its various advantages?