



Progressive Education Society's

Seat No-.....

Modern College of Arts, Science and Commerce (Autonomous)

Shivajinagar, Pune -5

[Total no. of questions:5]

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First Year B.Sc. (Mar-2020)

End Semester Backlog Examination, (2019 Pattern) Semester – I

Course Code: 19ScZooU101

Course Name: Zoology-I: Animal Biology & Diversity I

Date: 16.03.2020

Time: 10.00-12.00 am

[Time: 2 Hours]

[Max Marks: 60]

Instructions: 1) All questions are compulsory.

2) Neat labeled diagrams must be drawn wherever necessary.

3) Figures to the right indicate full marks

Q. 1. Answer the following

12

- Define genus.
- What is Beta-taxonomy?
- What is typhlosole?
- Define cephalization.
- Mention functions of contractile vacuole.
- Give significance of interstitial cell in Hydra.

Q.2. Answer the following (Any Three)

12

- Explain cnidoblast.
- Describe evolutionary taxonomy.
- Write general characters of protista.
- Sketch and label T. S. of gizzard in earthworm.
- Describe gemmules in sponges.

Q.3. Write short notes on following (Any Three)

12

- Regeneration in *Hydra*.
- Coral reefs.
- Leucon type of canal system.
- Amoeboid locomotion.
- Setae in Earthworm.

Q.4. Attempt the followings (Any Two)

12

- Write distinguishing characters of cnidaria. Add a note on its classes.
- Write an account on harmful protista.
- Explain trichocyst with suitable diagram.

Q. 5. What is conjugation? Describe conjugation in *Paramecium*.

12

OR

Describe reproductive system in Earthworm.