

B.N.BANDODKAR COLLEGE OF SCIENCE, THANE  
S.Y.B.Sc. FIRST TERM END EXAMINATION OCTOBER 2011  
SUBJECT: ZOOLOGY  
PAPER - I

Duration: 2Hrs.

Marks: 60

N.B.:

1. All questions are compulsory.
2. Draw diagrams wherever necessary.
3. All questions carry equal marks.

Q.1a Answer the following.

03

1. Define polyandry.
2. Define budding in hydra
3. Define biomes.

Q.1b Write short notes on: (Any three)

12

1. Bilateral cleavage
2. Define fragmentation in annelids.
3. Detorsion in mollusca.
4. Ecological climax.
5. Types of lakes.

Q.2a Answer the following.

03

1. Write examples of echinoidea.
2. Define sinistral shell?
3. What is trochophore larva?

Q.2b Write short notes on: (Any three)

12

1. Write the function of water vascular system in echinodermata.
2. Epitoky in polychaetes
3. Spicules in porifera.
4. Nauplius larva.
5. Lost of organs in platyhelminthes.

Q.3a Answer the following.

03

1. Types of eggs depending upon the amount of yolk.

Q.3b Write short notes on: (Any three)

12

1. Indeterminate cleavage.
2. Types of blastula.
3. Invagination.
4. Fate of germinal layers.
5. Significance of parthenogenesis.

Q.4a Answer the following.

03

1. Write the types of ponds.
2. Define ecological succession.
3. What is topography?

Q.4b Write short notes on: (Any three)

12

1. Abiotic factors.
2. Climatic factors.
3. Desert biomes
4. Artificial ecosystem
5. Migration.