

B. N. BANDODKAR COLLEGE OF SCIENCE, THANE

S. Y. B. Sc. SEMESTER III OCTOBER 2013

USZO301

DURATION: 2HRS

TOTAL MARKS: 60

N.B.:

- 1. All questions are compulsory.**
- 2. Figures to the right indicate marks.**
- 3. Draw neat and labeled diagrams wherever necessary.**

Q.1 (A) Answer the following. (03)

Explain Lorica in Protozoa

OR

Explain Asconoid canal system in sponge.

Q.1 (B) Write short notes on: (Any three) (12)

1. Binary fission in Protozoa.
2. Spicules in sponge
3. Types of Coral Reef.
4. Physiological adaptations in Platyhelminthes.
5. Sexual reproduction in Annelida.
6. Molluscan shells.

Q.2 (A) Answer the following. (03)

Describe determinate cleavage.

OR

Describe Morula.

Q.2 (B) Write short notes on: (Any two) (12)

1. Types of fertilization.
2. Factors affecting parthenogenesis.
3. Types of eggs on the basis of amount of yolk.
4. Holoblastic cleavage.

Q.3 (A) Answer the following. (03)

Nudation Succession.

OR

Pelagic region of marine ecosystem.

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

(12)

1. Soil A- Horizon
2. Muddy shore organisms.
3. Desert Biomes
4. Hydrosers
5. Light as climatic factor.
6. Natality.

Q.4 (A) Answer the following (Any three)

(03)

1. Define Isogamy in Protozoa.
2. Name types of larvae in Echinoderms.
3. Define bilateral cleavage.
4. Define gastrulation.
5. Define Ecosystems
6. Define Migration.

Q.4 (B) Write short notes on (Any three)

(12)

1. Functions of canal system in sponge.
2. Nauplius larva.
3. Epiboly.
4. Significance of parthenogenesis.
5. Types of lakes
6. Characteristic of benthic region
