

**B. N. BANDODKAR COLLEGE OF SCIENCE, THANE - 400 601.**  
**FIRST TERM EXAMINATION OCT. - 2010**

**S. Y. B. Sc.**

**TIME : 2 Hrs.**

**SUBJECT : ZOOLOGY - I**

**MARKS : 60**

- N. B. :** 1. All questions are compulsory.  
2. Figures to the right indicate full marks.  
3. Draw neat and labeled diagram wherever necessary.

**Q.1 A) Answer the following :** [3]

- i) Give one example of class Hirudinea.
- ii) Define epiboly.
- iii) What is mineralisation ?

**B) Write notes on : (ANY TWO)** [12]

- i) Histology of shell in mollusca.
- ii) Mechanism of fertilization.
- iii) Soil profile.

**Q.2 A) Explain types of coral reefs.** [3]

**B) Write short notes on : (ANY THREE)** [12]

- i) Binary fission in protozoa.
- ii) Physiological adaptations in Platyhelminthes.
- iii) Nauplius larva and its significance.
- iv) Water Vascular system in Brittle star.
- v) Spicules in sponges.

**Q.3 A) Explain types of eggs on the basis of amount of yolk.** [3]

**B) Write short notes on (ANY THREE)** [12]

- i) Types of parthenogenesis.
- ii) Radial cleavage.
- iii) Coeloblastula of frog.
- iv) Indeterminate cleavage.
- v) Delamination.

**P.T.O.**

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**Q.4 A)** Write a note on Phototaxis.

[3]

**B) Answer the following (ANY THREE)**

[12]

- i) Adaptations of pelagic animals.
- ii) Desert.
- iii) Any two topographic factors.
- iv) Natality.
- v) Ecological succession.

