

**B.N. Bandodkar College of Science, Thane**  
**Second Semester End Examination March 2012(Additional)**

**F.Y.B.Sc**

**USZO201**

**Duration 2 hrs**

**Max. Marks-60**

**N.B. 1) All Questions are compulsory.**

**2) Figures to right indicate full marks.**

**3) Draw neat and labeled diagram wherever necessary**

- Q.1) a) Answer the following **3**
- 1) Name the type of scale present in shark.
  - 2) What is the function of tube feet in starfish?
  - 3) Name the Larva of sea urchin.
- b) Write short notes on ( any three) **12**
- 1) Salient features of Phylum Mollusca
  - 2) Duck billed Platypus
  - 3) Amphioxus
  - 4) Chameleon
  - 5) Quill feather
- Q2) a) Answer the following **3**
- 1) Define Polyandry.
  - 2) What is the response of Paramecium to gravity?
  - 3) Structural and functional unit of the kidney is called as ----- .
- b) Write short notes on ( any three) **12**
- 1) Structure of mammalian sperm
  - 2) Ammonotelic and ureotelic animals

PTO

3) Structure of human eye (draw labeled diagram only)

4) Flame cell.

5) Synaptic transmission.

Q 3) a Write a note on Extinction of conditioning. **3**

b Write short notes on ( any three) **12**

1) Sexual imprinting

2) Batesian mimicry

3) Explicit representation

4) Negative reinforces

5) Equifinality of behavioral development

Q.4) a) Answer the following **3**

1) Define Osmoregulation.

2) Give an example of class Amphinura.

3) What is Altricial embryo?

b) Write short notes on ( any three) **12**

1) Ovparity and Viviparity.

2) L.S.of Kidney.

3) Kangaroo.

4) FAP in innate behavior

5) Warning signals in hawk moth.