

B.N. Bandedkar College of Science, Thane
Second Semester End Examination March 2012®

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) Write the name of any one types of scale in Bony fish.

2) Give any one function of air sacs in bird.

3) Name the Larva of star fish.

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

1) Salient features of Phylum Echinodermata

2) Types of toes in Birds

3) Flying lizard – Draco

4) Shrew

5) Sepia

Q2) a) Answer the following **3**

1) What is Cross fertilization?

2) What is Response of Paramecium to electrical stimulus?

3) Define spermatogenesis.

PTO

- b Write short notes on (any three) **12**
- 1) Structure of mammalian ovum
 - 2) Ureotelic and urecotelic animals
 - 3) Structure of human ear (Draw labeled diagram only)
 - 4) Nephridium of Earthworm
 - 5) Structure of neuron
- Q 3) a Describe briefly Positive reinforcement in conditioning **3**
- b Write short notes on (any three) **12**
- 1) Acquisition
 - 2) Generalization
 - 3) Procedural representation
 - 4) Mullerian mimicry
 - 5) Habituation
- Q.4) a) Answer the following **3**
- 1) What is the function of malpighian tubules?
 - 2) Give any one example of class Gastropoda
 - 3) Define IRM in behavior
- b) Write short notes on (any three) **12**
- 1) Oviparity and ovo-viviparity
 - 2) Bowman's capsule
 - 3) Bat
 - 4) Frog
 - 5) Filial imprinting.