

B.N. Bandodkar College of Science, Thane
S.Y.B.Sc. -Second Term End Examination March- 2012

Zoology

Paper I

Duration 2hrs

Max Marks-60

- N.B. 1) All Questions are compulsory.
2) Draw neat and labeled diagrams wherever necessary
3) Figures to right indicate full marks.

- Q.1) a) Answer the following. 03
1) Define migration in birds.
2) Define diffusion
3) What is Attention?
- Q.1) b) Write short notes on: (any three) 12
1) Chemical signals with examples.
2) Nest building in amphibians.
3) Duck billed platypus.
4) Exocytosis.
5) Functions of golgi complex.
- Q2) a) Give an account on adaptation for desert habitat in reptiles. 03
b) Write short notes on (any three). 12
1) Venom apparatus.
2) Functions of swim bladder in fish.
3) Types of neoteny.
4) Retrogressive metamorphosis.
5) Marsupials.
- Q 3) b) Answer the following. 03
1) What is lysosome? PTO

- 2)What is centromere?
- 3)Define karyotype.
- Q 3) b) Write notes on (any three) 12
- 1)Functions of endoplasmic reticulum.
- 2)Structure of mitochondria.
- 3)Lampbrush chromosome.
- 4)Endocytosis.
- 5)Structure of nucleus.
- Q.4) a) Define : 03
- 1) Instinct.
- 2) Learning.
- 3) Ritulization.
- Q.4) b) Write short notes on(any three) 12
- 1)Honey bee dance.
- 2)Innate Releasing Mechanism.
- 3)Causes of displacement activities.
- 4)Deception.
- 5)Imprinting.
