

S.Y.B.Sc. (Part - II)(With Credits)-Regular-Semester 2012 Sem III
B.Sc 2331 - Zoology Paper - I (Life And Diversity Of Animals Chordates)

P. Pages : 2

Time : Three Hours



GUG/W/16/3350

Max. Marks : 50

- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw well labelled diagram wherever necessary.

1. Give an account of accessory respiratory organs in fishes. 10

OR

- a) Poison apparatus in snake. 5
b) Parental care in amphibia. 5

2. Give an account of morphological flight adaptations in Birds. 10

OR

- a) Eutherian mammals. 5
b) Prototherian mammals. 5

3. Attempt the following. 10

- a) Chondrichthyes.
b) Anapsid skull.
c) Archeopteryx.
d) Basic embryonic plan of Aortic arches.

OR

- e) Osteichthyes.
f) Diapsid skull.
g) Types of feathers.
h) Heart in mammals.

4. Attempt the following. 10

- a) External morphology of Labeo.
b) General characters of Amphibia.

- c) Ratital.
- d) Heart in Amphibia.

OR

- e) Digestive glands in Labeo.
- f) Neoteny in Amphibia.
- g) Navigation.
- h) Opossum.

5. Write four or five lines on the following **any ten**.

10

- i) Anadromous migration.
- ii) Isinglass.
- iii) Fish oil.
- iv) Temporal vacuities.
- v) Neurotoxic venom.
- vi) Poison gland froglets.
- vii) Ostrich.
- viii) Causes of migration.
- ix) Air sacs in Birds.
- x) Kangaroo.
- xi) Duck-billed platypus.
- xii) Ductus caroticus.
