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BSCZOC 152

**Credit Based Second Semester B.Sc. Degree Examination, September 2022
(Semester Scheme) (2018-19 and Earlier Batches)**

**ZOOLOGY
Animal Diversity – II**

Time : 3 Hours

Max. Marks : 80

Instructions : 1) Answer **any ten** questions from Part – **A** and **one full** question from **each** Unit of Part – **B**.
2) **Draw diagrams wherever necessary.**

PART – A

1. a) Write any two general characters of phylum hemichordata. (10×2=20)
- b) Give any two characters of petromyzon.
- c) What is retrogressive metamorphosis ?
- d) What is clasper ? Where is it found ?
- e) Mention any four characters of apoda.
- f) Name the first and second vertebrae of frog.
- g) Define fossae.
- h) What is synsacrum ?
- i) What are pneumatic bones ?
- j) What is diastema ?
- k) What are suctorial teeth ? Where are they found ?
- l) Give two examples for prototheria.

PART – B

Unit – 1

2. a) Explain the externals of Balanoglossus. 4
- b) Draw a neat labelled diagram of Herdmania. 4
- c) Describe the external features of Branchiostoma. 7

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3. a) Write a note on externals of hagfish. **3**
b) Describe the metamorphosis of ammocoete larva. **5**
c) Explain the general character of vertebrate and give outline classification up to classes. **7**

Unit – 2

4. a) Write any eight general characters of Osteichthyes. **4**
b) Write explanatory notes on Urodela. **4**
c) Give an account of aquatic adaptations of fishes. **7**
5. a) Write a note on Apoda. **3**
b) Draw a neat labelled diagram of frog skull. **5**
c) Describe structure of pectoral girdle of frog. **7**

Unit – 3

6. a) Draw a neat labelled diagram of poisonous apparatus of snake. **4**
b) Write distinctive characters of superorder impennae. **4**
c) With neat labelled diagram explain different types of reptilian skulls. **7**
7. a) Write any six salient features of Neornithes. **3**
b) Comment on distribution of common crocodiles and lizards. **5**
c) Give an account of flight adaptations in birds. **7**

Unit – 4

8. a) Write the distinguishing characters of Metatheria. Give two example. **4**
b) Enumerate distinctive features of order Chiroptera. **4**
c) With a neat labelled diagram, describe digestive system of rat. **7**
9. a) Draw a neat labelled diagram of female reproductive system of rat. **3**
b) Give the distinctive characters of order perissodactyla with examples. **5**
c) Give an account of general characters of class Mammalia. **7**
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