Total number of printed pages–4

1 (Sem–2/FYUGP) ZLG 21 MJ

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2026

ZOOLOGY

(Major)

Paper : ZLG4200104MJ

(Diversity of Chordates)

Full Marks : 45

Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Choose the correct option : 1×5=5

(a) Notochord is present in chordates during
   (i) Only in embryonic stage
   (ii) Only in adult stage
   (iii) Both of the above stages
   (iv) None of the above

(b) The study of fishes is called _____.
   (i) Pisciculture
   (ii) Apiculture
   (iii) Sericulture
   (iv) Fishiculture

(c) Stomochord is present in
   (i) Hemichordates
   (ii) Cephalochordates
   (iii) Urochordates
   (iv) Vertebrates

(d) Urochordate is also called _____.
   (i) Cephalata
   (ii) Tunicata
   (iii) Hemichordata
   (iv) Uricata

(e) How many pairs of gills are found in Osteichthyes ?
   (i) 4
   (ii) 2

   (iii) 5
   (iv) 6

2. Write short notes on : ***(any five)*** 2×5=10

(a) Gnathostomata

(b) Placoid scale

(c) Uropygial gland

(d) External gill slits

(e) Order Perciformes

(f) Super order Ratitae

(g) Archaeopteryx as connecting link

(h) Dipleurula concept

(i) Origin of Tetrapoda

(j) Characters of Cyclostomata

3. Answer briefly : ***(any four)*** 5×4=20

(a) Write the characteristic features of the cephalochordata.

(b) Classify Cyclostomata upto order with examples.

(c) Write general characters of class Aves.

(d) Write advance characters of Hemichordata over non-chordates.

(e) Write in brief the types of migration of fishes.

(f) Write a note on parental care in amphibia.

(g) "Birds are glorified Reptiles." Justify the statement.

(h) Write a note on biting mechanism in snakes.

4. Answer the following questions : ***(any one)*** 10×1=10

(a) Write *ten* characters of Pisces. Write the main differences between Chondrichthyes and Osteichthyes. 5+5=10

(b) Write *six* characters of class Reptilia. Classify Reptilia upto orders with examples. 3+7=10

(c) Write important characters of class Mammalia. Write briefly the major orders of 'Theria' with examples. 2+8=10

(d) Write the general characters of the phylum chordata. Highlight the advanced features of vertebrata over protochordata. 5+5=10