2. Explain in detail 2 0 2 anded features of

(FYUGP) was astandarrow

(3rd Semester)

ZOOLOGY

(Minor)

Paper Code: ZOO/M3

(Diversity of Chordates)

Full Marks: 75 Pass Marks: 40%

Time: 3 hours

(PART : B-DESCRIPTIVE)

(Marks : 50)

The figures in the margin indicate full marks for the questions

1. What are cephalochordates? Describe the general characteristics of cephalochordates.

2+8=10

ention tacing agreement no increase no strike

Give a detailed account on the retrogressive metamorphosis in urochordates.

L25/199a

8+2=10

(Turn Over)

2. Explain in detail the advanced features of vertebrates over protochordates. 10

or Semester

Write the general characteristics of Agnatha.

Give suitable examples.

8+2=10

3. What is osmoregulation? Explain the various modes of migration in fishes. 2+8=10

Or

Classify class Amphibia up to order with suitable examples.

4. Give a detailed account on the biting mechanism in snakes. Add a note on the poison apparatus.
6+4=10

(AVITAINOPAG — H . MATA I

Discuss in detail why *Archaeopteryx* is considered as a connecting link between reptiles and birds.

5. Explain in detail the adaptive radiation with reference to locomotory appendages in mammals.

Or

Write an account on zoogeographical realms. 10

Cive a detailed in the transfer as will

ลักษณ์ผลเครื่⊀้**ร้**.≯้ น อยากย์เกษาษาย

(11

Subject Code: Bs/ZOO/M3	Booklet No. A 1
	Date Stamp
To be filled in by the Candidate	Ten)
BA / BSc / BCom / BBA / BCA 3rd Semester End Term Examination, 2024 (FYUGP)	
Subject	
Paper	To be filled in by the Candidate
INSTRUCTIONS TO CANDIDATES	BA / BSc / BCom / BBA / BCA
The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.	3rd Semester End Term Examination, 2024 (FYUGP)
2. This paper should be ANSWERED FIRST and submitted within 1 (one) Hour of the commencement of the Examination.	Roll No.
3. While answering the questions of this booklet, any cutting, erasing, over-	Subject

Signature of Scrutiniser(s)

only.

Signature of Examiner(s)

writing or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions

given in each question should be followed for answering that question

Signature of Invigilator(s)

DESCRIPTIVE TYPE

Booklet No. B

	2024	2. 1116
	(FYUGP)	
	(3rd Semester)	
	ZOOLOGY	
	(Minor)	
	Paper Code: ZOO/M3	
	(Diversity of Chordates)	
	(PART : A—OBJECTIVE)	
	(Marks: 25) shrodolms4	
The figu	ires in the margin indicate full marks for the	questions
	SECTION—I	
	(Marks : 15) has all deal	
Put a T brackets	ick (🗸) mark against the correct answer in provided :	the 1×15=15
1. Bal	anoglossus is included in which subphylum	?
(a)	Urochordata ()	
(b)	Hemichordata ()	
(c)	Cephalochordata ()	
(d)	None of the above ()	
/199		

2.	The condition in which the coelom and mesoderm initially develops as a pocket of the primitive gut is known as	
	(a)	enterocoelous ()
	(b)	metacoel (Yes) 1003
	(c)	diverticulum ()
	(d)	None of the above ()
3.		which of the subphylum notochord and nerve cord resent throughout the life?
	(a)	Hemichordata ()
	(b)	Urochordata (()) Walant salt in assure salt
	(c)	Cephalochordata ()
	(d)	Both (b) and (c) ()
		Put a Tick (V) mark against the correct answer in
4.	Whi	ch of the following is considered a hypothetical a of the ancestral echinoderms?
	(a)	Dipleurula ()
	(b)	Ascidian larva ()
	(c)	Tornaria larva ()
	(d)	None of the above () and to such (b)

Bs/ZOO/M3/199

5.	Wh the	ich of the following evidences is not supporting echinoderm theory of chordate origin?
	(a)	Similarity in embryonic development ()
	(b)	Presence of pharyngeal slits ()
	(c)	Radial symmetry in adult echinoderm ()
	(d)	Similarities in larval form ()
		Deterobutives are primarily distinguished by o
6.		advanced features of vertebrates over
	(a)	open circulatory system ()
	(b)	presence of cranium ()
	(c)	absence of vertebral column ()
	(d)	None of the above ()
7.	Cyc	lostomes are primarily characterized by
	(a)	presence of jaws ()
	(b)	absence of jaws () () () () ()
	(c)	presence of paired fins ()
	(d)	presence of bony skeleton () bodA (b)
2017	00/1	(3/100

8.	Cat	tadromous migration is exhibited by
	(a)	Salmon ()
	(b)	Anguilla sp ()
	(c)	Tuna ()
	(d)	All of the above ()
		(d) Similarities to Carval formers a poly of and a
9.	Ost	eichthyes are primarily distinguished by
	(a)	presence of a cartilaginous endoskeleton ()
	(b)	presence of a bony endoskeleton ()
	(c)	lack of paired fins ()
	(d)	absence of a jaw ()
10.	Buf	o frog is included in the order
	(a)	Anura ()
	(b)	Urodela () avaita societa
	(c)	Squamata () it bettag to someong to
	(d)	Apoda () misita amod to some engine

Bs/ZOO/M3/199

11	. Wh	nich of the following is true about the circulatory stem of reptiles?
	(a)	They have four-chambered heart ()
	(b)	They have three-chambered heart ()
	(c)	They have an open circulatory system ()
	(d)	Both (b) and (c) ()
12.	The	poison apparatus in snakes is primarily posed of which of the following?
	(a)	Tail stinger and poison gland ()
	(b)	Venomous skin and fangs ()
	(c)	Poison gland and fangs ()
	(d)	None of the above ()
13.	Which type of migration involves birds travelling short distances to more favourable conditions within the same region?	
	(a)	Longitudinal migration ()
	(b)	Latitudinal migration ()
	(c)	Altitudinal migration ()
	(d)	Diagonal migration ()

14.		nmals?
	(a)	Monotremata ()
	(b)	Symmetrodonta ()
	(c)	Triconodonta ()
		None of the above ()
		(b) Venomous e defange : especie
15.		palaearctic realm covers which of the following ons?
	(a)	South America ()
		Herbert Control of the state of
	(b)	Africa and Europe ()
	(c)	North America and Greenland ()
		Alternational unigness as the section of
	(1)	South-Fast Asia and Australia ()
	(d)	South-East Asia and Australia ()
Bo /	700/	M3/100

SECTION—II 1950000 SIMUSICIAL S

(Marks: 10)

Write short notes on any five of the following: $2\times5=10$

1. Urochordata

2. Dipleurula concept

3. Osteichthyes

Bs/ZOO/M3/199

PRIZOCIALISMENTOS

4. Flight adaptation in bird

5. Sphenodon

6. Zoogeographical realm

* * 1