ZOO/II/EC/03 (CBCS)	(2)	2)	
0 1 7 BCS)	Describe in d Rana tigrina.	letail the process of respiration	in 10
Semester)		Or	
DLOGY	Write a note with a suitab	on the types of scales in fish ble diagram.	nes 10
ND PAPER	Give an account of the poison apparatus and biting mechanism of snake. 5+5=10		
ogy and Anatomy)		Or	
larks : 75	Write an acc of flight in bi	ount on the principle and mod rds. 5	les 5+5=10
: 3 hours		e structure and functions of t ts of brain of rabbit with a ne	
-DESCRIPTIVE)		Or	10
ks : 50) argin indicate full marks questions	of the integu	ument. Write a detailed accou ment and its derivatives.	1+9=10
	Describe the vertebrate.	e structure and types of gills	ın 10
sification of Chordata up mple for each class. 10		Or	
Or	Write a note	on dentition in mammals.	10
rculatory system of 10		***	
(Turn Over) G WWW.GZISC.	-550 /267 a	ZOO/II/EC/03	(CBCS)

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Full Marks :

Time

(PART : B—

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The figures in the ma for the

1. Give an outline class to classes giving example

Describe the ci Herdmania.

G7**/267**a

Subject Code : ZOO/II/EC/03 (CBCS)	Booklet No. A		
To be filled in by the Candidate	Date Stamp		
<u>CBCS</u> DEGREE 2nd Semester (Arts / Science / Commerce /) Exam., 2017			
Subject Paper	To be filled in by the Candidate		
	<u>CBCS</u>		
INSTRUCTIONS TO CANDIDATES	DEGREE 2nd Semester		
1. The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.	(Arts / Science / Commerce /) Exam., 2017 Roll No.		
2. This paper should be ANSWERED FIRST and submitted within <u>1 (one) Hour</u> of the commencement of the Examination.	Regn. No Subject		
3. While answering the questions of this booklet, any cutting, erasing, over- writing or furnishing more than one	Paper		
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	Descriptive Type Booklet No. B		
only.			

Signature of Scrutiniser(s)

Signature of Examiner(s)

Signature of Invigilator(s)

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ZOO/II/EC/03 (CBCS)

2017

(CBCS)

(2nd Semester)

ZOOLOGY

SECOND PAPER

(Chordata Biology and Anatomy)

(PART : A—OBJECTIVE)

(*Marks* : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 10)

Put a Tick (\checkmark) mark against the correct answer in the brackets provided :

 $1 \times 10 = 10$

1. Balanoglossus belongs to the class

- (a) Enteropneusta ()
- (b) Pterobranchia ()
- (c) Graptolita ()
- (d) Ascidiacea ()

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(2)

- **2.** The larva of *Branchiostoma* exhibits ascemtry unlike adult in the arrangement of various body organs due to
 - (a) mouth appears first on left side ()
 - (b) the left diverticulum remains smaller ()
 - (c) both sets of gills first appear on right side ()
 - (d) All of the above ()

3. In Scoliodon, the internal ear functions as

- (a) organ or hearing ()
- (b) controls orientation and equilibration with regard to gravity (balance) ()
- (c) thermoreceptor ()
- (d) rheoreceptor ()

4. The unpaired median fins of fish include

- (a) pectoral fin and pelvic fin ()
- (b) dorsal fin, anal fin and caudal fin ()
- (c) dorsal fin and caudal fin ()
- (*d*) pelvic fin, dorsal fin and caudal fin ()

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(3)

5.	Archaeopteryx	lithographica	exhibited	both
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- (a) reptilian and mammalian characters ()
- (b) avian and mammalian characters ()
- (c) avian and reptilian characters ()
- (d) amphibian and avian characters ()
- **6.** The expanded membranous part of the feather is called
 - (a) vane ()
 - (b) rachis ()
 - (c) calamus ()
 - (d) umbilical groove ()
- **7.** The receptor that detects chemicals in gaseous state is called
 - (a) gustoreceptor ()
 - (b) olfacto-receptor ()
 - (c) tango-receptor ()
 - (d) rheoreceptor ()

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(4)

- **8.** The hormone secreted by the islets of Langerhans which plays important role in metabolism of carbohydrate is
 - (a) insulin ()
 - (b) trypsinogen ()
 - (c) amylase ()
 - (d) lipase ()

9. Four-chambered heart is found in

- (a) mammals ()
- (b) snakes ()
- (c) fishes ()
- (d) amphibians ()
- **10.** A condition where the teeth are all alike in shape and size is
 - (a) heterodont ()
 - (b) homodont ()
 - (c) diphyodont ()
 - (d) monophyodont ()

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(5)

SECTION-B

(*Marks* : 15)

Write short notes on the following :

3×5=15

1. Salient features of Protochordata

Or

Neurula of embryonic stage of Branchiostoma

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(6)

2. Neoteny and paedogenesis

Or

Ampullae of Lorenzini

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(7)

3. Snake venom

Or

Uses of feathers in birds

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(8)

4. Rods and cones

Or

Receptor organs

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(9)

5. Composition of bone

Or

Functions of ligaments

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ZOO/II/EC/03 (CBCS)