

NBG-003-10120020 Seat No. \_\_\_\_\_

## First Year B. Sc. (Sem. II) (CBCS) Examination

April / May - 2017 Zoology : Z - 02

(New Course)

Faculty Code: 003

Subject Code: 10120020

Time :  $2\frac{1}{2}$  Hours ] [ Total Marks : 70 Instructions: (1) Draw neat and labelled diagram wherever necessary. (2)Figures to the right side indicate full marks for the question. 1 (A) Objective type questions: 4 (1) Jaws bearing animal belongs to \_\_\_\_\_division. (2)Give the name of phylum which bears triploblastic pseudocoelomate animals? (3)Which type of fertilization occurs in Amphioxus? Which type of cleavage occurs in fertilized egg of (4) Amphioxus? . 2 Answer in brief: (any one out of two) Classify amphioxus. (1) (2) Draw a diagram of unfertilized ovum of Amphioxus. Answer in detail: (any one out of two) 3 Describe general characters of Amphibia. (1) (2)Draw a diagram of T.S through Pharynx in Amphioxus. (D) Answer in detail: (any one out of two) 5 Draw a chart of chordate classification with example. (2) Explain digestion in Amphioxus.

[Contd...

2	(A)	Objective type questions:	4
		(1) Give the example of Multiple Allele.	
		(2) Which type of Antigen are present in A, B, AB and O blood group.	
		(3) Who discovered the types of blood group?	
		(4) In which animal Rh factor was first invented?	
	(B)	Answer in brief: (any one out of two)	2
		(1) Characters of Multiple Allele.	
		(2) What are the statements of Lamarkism theory of Evolution?	
	(C)	Answer in detail : (any <b>one</b> out of two)	3
		(1) What are the statements of Darwinism theory of evolution?	
		(2) Explain Erythroblastosis foetalis.	
	(D)	Answer in detail: (any one out of two)	5
		(1) Explain Phylogeny of horse.	
		(2) Explain Neo-darwinism theory of evolution.	
3	(A)	Objective type question:	4
		(1) Which enzyme digests carbohydrate, lipid and nucleic acid in pancreas?	
		(2) What are the components of gastric juice?	
		(3) Which type of protein is found in R.B.Cs?	
		(4) Which ion is necessary for the coagulation of blood?	
	(B)	Answer in brief: (any one out of two)	2
		(1) Define digestion.	
		(2) Define gametogenesis.	
	(C)	Answer in detail: (any one out of two)	3
		(1) Explain spermeogenesis.	
		(2) What are the components of blood?	
	(D)	Answer in detail: (any one out of two)	5
		(1) Describe oogenesis in detail.	
		(2) Explain absorption in intestine.	
NB	G-00	-10120020] 2 [Conto	d

4	(A)	Objective type questions:	4
		(1) Give the name of any two animals which are pathogenic to animals.	
		(2) Give the name of two parasitic animals.	
		(3) What is brooder?	
		(4) Give the name of fishes are found in aquarium.	
	(B)	Answer in brief: (any one out of two)	2
		(1) Draw a diagram of filarial worm.	
		(2) Systematic position of Pin worm.	
	(C)	Answer in detail: (any one out of two)	3
		(1) General characters of guinea worm with treatment.	
		(2) Control and treatment of Filarial worm.	
	(D)	Answer in detail: (any one out of two)	5
		(1) Describe the poultry apparatus are used in poultry farm.	
		(2) Describe the essential parts of fresh water aquarium.	
5	(A)	Objective type questions:	4
		(1) Menstrual cycle occurs for days.	
		(2) Amphibians are having chambered heart.	
		(3) Venous heart is found in which animal?	
		(4) Estrus cycle occurs in	
	(B)	Answer in brife: (any one out of two)	2
		(1) Give the name of epidermal glands.	
		(2) Internal structure of Heart. (Diagram only)	
	(C)	Answer in detail: (any one out of two)	3
		(1) Describe digital tips and claws with example.	
		(2) Describe Estrous cycle.	
	(D)	Answer in detail: (any one out of two)	<b>5</b>
	(D)	Answer in detail: (any <b>one</b> out of two) (1) Describe evolution of Heart'.	5
	(D)	` <del>'</del>	5

3

NBG-003-10120020]

[ 1000 / 28-16 ]