

Third Year B. Sc. (Sem. VI) (CBCS) Examination

Z - 603 : Zoology

(Reproductive Physiology, Embriyology, Evolution, Environmental Pollution & Ecology) (New Course)

En	vironmental Foliution & Ecology) (New Course)
	Faculty Code : 003 Subject Code : 001643
Time: 2	$\frac{1}{2}$ Hours] [Total Marks : 70
Instructi	ions: (1) Illustrate your answer with neat and labelled diagram. (2) Figures to the right side indicate full marks of the questions.
1 Ansv	wer for the following questions:
(1)	Which two structure are found in neck of human spermatozoa?
(2)	What is corona radiata?
(3)	The secretory unit of mammary gland is
(4)	What is external fertilization?
(5)	Which sexes are produced during arrhenotoky?
(6)	A well developed primitive streaks is formed after incubation of hours.
(7)	What is placenta?
(8)	Regeneration in lizard tail is example of Type of regeration.
(9)	Kangaroo belongs to zoogeographic region.
(10)	What is Ocenic island?
(11)	Which islands are situated in Volesia?
(12)	Erosion is associated with pollution.
(13)	Make a list of primary air pollutant.
(14)	Who give the term ecosystem?

	(15)	which	h bio-geo chemical cycle is known as sedimentary?	
	(16)		survivor ship curve for human being population asis of survivors and age.	
	(17)	Crani c.c.	tum capacity of packing man is to	
	(18)		ne basis of amount of yolk and distribution of yolk eggs are and categary.	
	(19)		an example of animal which shows cyclic enogenesis.	
	(20)	Which	h types of placent is found in cats and dogs?	
2	(a)	Write	any three out of six:	6
		(1)	Regeneration in coelenterate.	
		(2)	Significance of parthenogenesis.	
		(3)	Biotic factor of Grassland ecosystem.	
		(4)	Javaman.	
		(5)	Clevage pattern in chick embryo.	
		(6)	Galapagos island	
	(b)	Write	e any three out of six:	9
		(1)	Types of regeneration.	
		(2)	Structure of chick egg.	
		(3)	Structure of mammalian sperm.	
		(4)	Nitrogen cycle.	
		(5)	Neanderthal and Packing man.	
			Sources of green house gases and its hazardous effect in environment.	
	(c)	Write	e any two out of five :	10
		(1)	Development of 72 hours chick embryo.	
		(2)	Types of parthenogenesis with example.	
		(3)	Air pollution	
		(4)	Structure and function of mammalian ovum.	
		(5)	Describe the process of fertilization.	

3 (a) Write any three out of six: 6 **(1)** Future prospective of man. (2) What is Mortality and natality? (3) Food chain of pond ecosystem. **(4)** Gastrula stage of chick embryo. Srilanka as continetal island. **(5)** Factors affecting on regeneration. (6) 9 (b) Write any three out of six: Draw a neat and labelled diagram of 48 hours chick embryo. **(2)** Structure of mammary gland. (3) Functions of placenta. Carbon cycle. **(4)** Water Pollution. (5)Countries and fauna of Australian region. (6) Write any two out of five: 10 (c) Soil pollution. **(1)** (2) Limb regeneration in Urodela. (3) Types of placenta. **(4)** Oriental region.

(5)

Energy flow.