

DB-003-001643

Seat No. _____

B. Sc. (Sem. VI) (C.B.C.S.) Examination

April / May - 2015 Zoology - 603

Faculty Code: 003

Subject Code: 001643					
Time	e : 2	1/2 H	ours]		[Total Marks : 70
Inst	ructi	ions	diagrams.	he ri	nswers with neat and labelled ght side indicate full marks of
1 Select the correct answer from given choices:					ven choices : 20
	(1)	Rege	eneration power poor	r in .	
		(A)	Hydra	(B)	Frog
		(C)	Lion	(D)	Planeria
(2) How many pairs of somites are present in 24 hrs ch				re present in 24 hrs chick	
		emb	ryo /		
		(A)	24	(B)	35
		(C)	4	(D)	10
	(3)	Whi	ch cells give nourish	nmen	t to the spermatozoa.
		(A)	Epithelial cells	(B)	Flame cells
		(C)	Sertoli cells	(D)	Cardiac cells
	(4) Name the hormone secreted by placenta.				
		(A)	Adrenaline	(B)	Thyroxine
		(C)	Relaxin	(D)	None
(5) Mortality means -					
(A) Rate of death of individuals in population					
		(B)	Rate of born of inc	dividu	uals in population
(C) Rate of immigration					
	(D) Rate of migration				
	(6) The process of maturation of ovum is termed as				ovum is termed as
		(A)	Spermatogenesis	(B)	Oogenesis
		(C)	Gametophyte	(D)	Sporophyte

(7)		out the causes of Coal ash	soil j	pollution from following.		
	` /	Sewage				
	` '	Plastics and herbic	aidaa			
	` /		nues			
(0)	(D)					
(8)		lation growth form				
	` /	J & S shaped	` /	P & V shaped		
(0)	, ,	T & I shaped	` /	J & T shaped		
(9)		types of biogeocher		·		
	` ′	gaseous and sedim	ientai	ry		
		solid and liquid				
	` /	matter and gaseou				
(4.0)	` /	atmospheric and g				
(10)				ıman is known as -		
	(A)	colostrum	(B)	Rostrum		
/ m . m . \	(C)	monostrum	(D)	none		
(11)		uman which type o	_			
	` /	Haemo chorial	` /	Haemo endothelial		
		Syndasmo chorial				
(12)			he fol	llowing is not green house		
	gas					
	(A)	Carbon dioxide	(B)	Nitrogen		
	(C)	Methane	(D)	Nitrous oxide		
(13)			d by s	sperms during fertilization.		
	(A)	Insulin	(B)	Adrenaline		
	(C)	Pepsine	(D)	Hyluronidase		
(14)	The two types of Nutality is -					
	(A) Maximum and ecological natality					
	(B) Reproductive and physiological					
	(C)	Maximum and min	nimuı	m		
	(D) Breeding and unbreeding					
(15)		of CO_2 is pre	\mathbf{esent}	in atmosphere.		
	(A)	0.3%	(B)	0.03%		
	(C)	0.4%	(D)	1.2%		
(16)	Zebra and Girraf are found in which zoo geographical					
	region.					
	(A)	Oriental	(B)	Ethiopian		
	(C)	Australian	(D)	Nearctic		
DB-003-0	0164	3]	2	[Contd		

	(17)	Out	of given option which	ch is	nitrifying bacteria		
		(A)	Azotobacteria	(B)	Nitrosomans		
		(C)	Rhyzobus	(D)	All		
	(18)	Complete parthenogenesis found in -					
		(A)	Rat	(B)	Bat		
		(C)	Shark	(D)	None		
	(19)	The	yolk free circular di	sc k	nown as -		
		(A)	Blastoderm	(B)	Blastodisc		
		(C)	Blastula	(D)	Blastomere		
	(20)	The	ecological study of p	opu	lation includes		
		(A)	population character	ristic	;		
		(B)	population dynamics	3			
		(C)	regulation of popula	tion			
		(D)	all of above				
2	Writ	ite any three out of six:				6	
	(a)	(1)	Define SPM				
		(2)	What is polygamy a	and	polyandry		
		(3)	Define area opaca				
		(4)	What is Population				
		(5)		als :	in which zonary placenta		
			formed.				
		(6)	What is primitive st	treal	ζ.		
	(b)	Write any three out of six:				9	
		(1)	Gulapagos Island				
		(2)	Causes of Air pollu	tion			
		(3)	Types of placenta a	ccor	ding to Histological type		
		(4)	\mathcal{O}_2 cycle				
		(5)	Flora and fauna of	Aus	tralian region		
		(6)	Green house effect.				

3

DB-003-001643]

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	(c)) Write any two out of five:			
		(1)	Energy flow		
		(2)	Population ecology		
		(3)	48 hrs. chick embryo		
		(4)	Structure and function of sperm		
		(5)	What is ecology? Describe it.		
3	(a)	(a) Write any three out of six:			
		(1)	Significance of fertilization		
		(2)	Define productivity		
		(3)	Area pellucida		
		(4)	What is meant by population dynamics?		
		(5)	Define agglutination		
		(6)	Give any two functions of placenta.		
	(b)	Wri	te any three out of six:	9	
		(1)	Soil pollution		
		(2)	N_2 cycle		
		(3)	What is regeneration? Describe with one example		
		(4)	Continental Island		
		(5)	Volesia		
		(6)	Oriental region.		
	(c)	Wri	te any two out of five:	10	
		(1)	24 hrs chick embryo		
		(2)	Parthenogenesis		
		(3)	Structure of mammary gland		
		(4)	Evolution of man and its future perspectives		
		(5)	Only labelled diagram of '72' hrs chick embryo.		