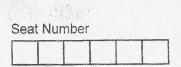
April 2015





ZOOLOGY PAPER - II (NEW) : ZOO - 242 Mammalian Physiology (24156)

P. Pages Time : Tv		Max. Marks	Max. Marks : 40					
Inst	Instructions to Candidates: 1. Do not write anything on question paper except Seat No. 2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil. 3. Students should note, no supplement will be provided. 4. All questions are compulsory. 5. Figure to the right indicates full marks.							
1.	Mul	tiple	e choice, attempt any eig	ht.		8		
	i)	a)	d blooded animals are al Poikilothermic Isothermic	b)	lled Homeothermic None of above.			
	ii)	a)	lactin hormone is concer Milk ejection Growth	b)	n Spermatogenesis. None			
	iii)	a)	the hepatic cells continua Juice Fluid	ally p b) d)	roduce a Bile Hormones.			
	iv)	a)	strous cycle is operated i Primates Non- chordates	n b) d)	Non-primates None			
	v)	a)	e total capacity of the lun 2.5 4.5	b)	man is Liter. 3.5 6.0			
	vi)		contraction period, musc Normal level Remain constant	b) d)	Shorten None.	*		
	vii)		e junction between two n Generator area Junction	euror b) d)	Receptor area Synapse	9		
₂ ਰਟਨ - (110			1		P.T.O		

		viii)	In human, cardiac cycle is completed within a) 0.5 sec b) 0.6 sec c) 0.7 sec d) 0.8 sec				
		ix)	Excretion removes waste from the body. a) Carbohydrates b) Nitrogenous c) Fat d) None.				
		x)	The beta cells of the islets secrete a) Insulin b) Glucagon c) Somatostatin d) None.				
2.		Det	Define / Explain/ Comment on any four.				
		a)	Kidney Failure. b) Thermoregulation.				
		c)	Heart attacks. d) Menarche.				
		e)	Constipation. f) Anoxia.				
3.		Attempt any two of the following. i) Describe respiratory quotient.					
		ii)	Diagrammatic representation of double circulation.				
		iii)	Describe selective reabsorption.				
4. a)	a)	Attempt any two of the following. i) Sketch and label synapse.					
		ii)	Muscle fatigue.				
		iii)	Explain, myogenic heart.				
	b)	De	fine, Respiration.	2			
5. a)	a)	Attempt any one of the following. i) Explain digestion by pancreatic enzymes.					
		ii)	Describe male sex hormones and their physiological role.				
	b)	Co	litis.	2			
