M.Sc. S.Y. (Zoology) (CBCS Pattern) Fourth Semester CBCS ZOOXV / PSCZOOT15.4 - Special Group - Animal Physiology-IV (Physiology of Respiration and Reproduction)

	ages : 1 e : Three Hour	S * 3 5 3 0 *	GUG/W/18/11442 Max. Marks : 80
	Notes : 1. 2. 3.	All questions are compulsory. All questions carry equal marks. Draw well labelled diagram wherever necessary.	
1.	Draw t	he neat labeled diagram of the respiratory tract and describe the str	ructure of the lungs. 16
		OR	
	a) D	notes on: escribe the mechanism of exchange of respiratory gases at pulmo ow CO_2 and O_2 are transported in the blood?	onary surface.
2.	Write a	an essay on chemical regulation of respiration.	16
		OR	
	a) D	notes on: escribe in detail the oxygen-hemoglobin dissociation curve. That is hypoxia and comment on types and causing mechanisms o	of hypoxia.
3.	Write a	an essay on endocrine control of spermatogenesis.	16
		OR	
	a) D	notes on: escribe the structure and process of corpus-luteum formation. raafian follicle.	
4.	Descri	be the process of placenta formation and comment on structure an	nd functions of 16
	placent	ta. OR	
	a) C	notes on: omment on hormonal influence on process of lactation. escribe the sequence of events involved in In vitro fertilization (I	VF) Process.
5.	Attemp	pt the following.	16
	a) T	idal volume and vital capacity.	
	b) C	hloride shift.	
	c) L	eydigs cells.	
	d) E	strogen	
