PUDUKICOTTAL DIST.

	: 3-00 Hours	VII						
Note		VII	- Z00I	LOGY		Marks	: 70	
Note			PART - I					
	i) Answer all the qu							
	ii) Choose the most				lternati	ives a	nd	
	write the option					(15x1	=15	
1.	In which mode of re	eproduction v	ariations are					
	a) Asexual			b) Parthenogen				
No. of Lot, Lot, Lot,	Sexual			d) Both A and E				
2.	The foetal membra	ne that forms	the basis o		rd is			
(a) Allantois			b) Amnion				
3.	c) Chorion	in a Dunt i /A	DD) : .	d) Yolk sac				
٥.	The Androgen Bind	ing Protein (A	BP) is produ					
	a) Leydig cells C) Sertoli cells			b) Hypothalamu				
4.		antian of how		d) Pituitary glan	d			
Т.	Select the incorrect action of hormonal contraceptive pills from the following a) Inhibition of spermatogenesis							
	b) Inhibition of ovul	ation						
			airing its abi	liby to allow pages	ac and	tunnan		
	 c) Changes in cervical mucus impairing its ability to allow passage and transport of sperms 							
	d) Alteration in uter	ine endometr	ium to make	it unsuitable for	implants	tion		
5.	Haemophilia is mor	e common in	males hecai	ica it is a	impiante	LIOIT		
	a) Recessive chara-	cter carried b	v Y-Chromo	some				
	a) Recessive character carried by Y-Chromosomeb) Dominant character carried by Y-Chromosome							
	c) Dominant trait co	arried by X-Cl	romosome					
1	d Recessive trait of	arried by X-C	hromosome					
6.	Who is the founder	of Modern E	ugenics mov	vement?				
	a) Mendel			b) Darwin				
	G Francis Galton			d) Karl pearson				
7.	Which of the follow	ving is the co	orrect seque	ence of event wit	h refere	ence to	the	
	central dogma?							
	a) Transcription, Tra	anslation, Rep	lication					
	b) Transcription, Re	plication, Trai	nslation					
	c) Duplication, Tran	siation, Irans	cription					
8.	d) Replication, Tran	scription, Irai	nslation					
.	Darwin's finches are a) Connecting links	e an excellent	example of					
	Adaptive radiatio	n		b) Seasonal mig	ration			
9.	Exo-erythrocytic scl	nizogony of D	lacmodium +	d) Parasitism				
	a) RBC	nzogony or P	iasinoulum (
	c) Stomach			b) Leucocytes d) Liver				
10.	AIDS virus has			Cycivei				
(a Single stranded I	RNA		b) Double strand	dad DNA			
	c) Single stranded [d) Double strand	ded DNA			
11.	Cyclosporin-A is an	immunosupp	ressive drug	produced from	dea DINA			
	a) Aspergillus niger			b) Manascus pu	rnureus			
	c) Penicillium notatu			(d) Trichoderma	nolveno	rum		
12.	The first clinical ger	ne therapy wa	as done for	the treatment of	Poryapol	uiii		
	a) AIDS			b) Cancer				
	c) Cystic fibrosis			(d) SCID				
			12-Zoology-					

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13.	Organisms which can survive a wide range of temperature are called						
	a) Ectotherms (b) Eurytherms						
	c) Endotherms d) Stenotherms						
14.	The organization which published the red list of species is						
	a) WWF (b) IUCN						
	c) ZSI d) UNEP						
15.							
13.	The 'thickness' of Stratospheric Ozone layer is measured in/on						
	a) Sieverts units Dobson units						
	c) Melson units d) Beaufort Scale						
Note	PART - II e: Answer any six of the following questions.						
	Question No.24 is compulsory. (6x2=12	2					
16.	Define Apolysis.	-					
17.	Mention the importance of the position of the tests in humans.						
18.	What is criss-cross inheritance?						
19.	Name the anticodon required to recognize the following codons:						
	AAU, CGA, UAU, and GCA						
20.	List out the major gases seems to be found in the primitive earth.						
21.	Why do you think it is not possible to produce vaccine against 'common cold'?						
22.	List out chemical alarm signals produced during inflammation.						
23.	Differentiate between Somatic cell gene therapy and germline gene therapy.						
24.	Give an account "Van't Hoff's rule".						
	PART - III						
Note	e: Answer any six of the following questions.						
	Question No.33 is compulsory. (6x3=18	1					
25.	Expand the acronyms (i) FSH (ii) LH (iii) hCG.						
26.	Differentiate foeticide and infanticide.						
27.	What are the applications of Karyotyping?						
28.	Why tRNA is called an adapter molecule?						
29.	Who disproved Lamarck's Theory of acquired characters? How?						
30.	What is the "Diapedesis"?						
31.	Write short notes about "Zymology" & "Oenology"?						
32.	Differentiate Natality and Mortality.						
33.	"Amazon forest is considered to be the lungs of the planet"-Justify this statement.						
	PART - IV						
	e. Answer all the questions. (5x5=25)						
34.	(a) What is parthenogenesis and explain its types with example?						
	(OR)						
	(b) Describe the structure of the human Sperm with a neat labeled diagram.						
35.	(a) Explain the genetic basis of ABO blood grouping man.						
	(OR)						
	(b) List out the salient features of Genetic code.						
36.	(a) Describe the Urey and Miller experimental approach to the origin of life.						
	(OR)						
	(b) Explain the life cycle of Plasmodium.						
37.	(a) Explain the structure of immunoglobulin with suitable diagram.						
	(OR)						
	(b) Explain how recombinant Insulin can be produced.						
88.	(a) Give an account of the properties of soil.						
0.	(a) Give an account of the properties of the						
	(b) State the (i) Eutrophication, (ii) Biomagnification.						
	[12-700logy-2]						

Kindly send me your questions and answerkeys to us: Padasalai.Net@gmail.com