DATI <u>STD:</u>			cial Questions Paper 2 OOLOGY		E:1½ HRS ARKS : 35	
PART-1						
Note: i) answer all the questions ii) choose the most appropriate answer from the given four						
		—	and the corresponding	-	8x1=8	
1.	1. Lower organisms, sometimes the entire mature organisms do not form gametes but they					
	themselves behave as gametes and the fusion of such mature individuals is known as					
	a) Hologamy	b) Exogamy	c) Paedogamy	d) Merogamy	,	
2.	At the end of game	togenesis in females,	each primary oocyte giv	ves rise to ha	ploid ovum	
	a) one	b) two	c) three	d) four		
3.	refers to a	a diagrammatic repres	entation of chromosome	es.		
	a) Idiogram	b) Cladogram	c) Family tree	d) Pedigree a	nalysis	
4.	Which codon is no	Which codon is not designated as termination (stop) codons				
	a) UAA	b) UAG	c) UGA	d) UAC		
5.	Modern man belon	gs to which period?				
	a) Quaternary	b) Cretaceous	c) Silurian	d) Cambrian		
6.	When the cells act	as antigens in the sam	he body, they are called			
	a) autoantigens	b) antibodies	c) immunogens	d) tumour		
7.						
	a) Totipotency	b) Pluripotency	c) Multipotency	d) Oligopoter		
8.	· ·	_ categories of species	· · · · · · · · · · · · · · · · · · ·	<i>b</i> ,		
0.	a) eight	b) ten	c) six	d) twelve		
	u) eight	· · · · · · · · · · · · · · · · · · ·	ART-II	d) twelve		
Note	Answer any 4 of th				4x2=8	
	-	enotoky and Thelytoky	<i>y</i> 9			
	. What is VNTR?	notoky and Therytoky				
	. Define tubectomy?					
	2. What are called Petrifaction?					
	13. What are two strategies involved in gene therapy.					
14. What is referred to as Eutrophication?						
PART-III						
15. Give a schematic representation of spermatogenesis and oogenesis in humans.						
16. Write any three Applications of Karyotyping.						
17. Differentiate between divergent evolution and convergent evolution with one example for						
10	each.					
		of immunoglobulin?				
19	. Define the followi	•		Zymology?		
		_	PART-IV		2x5=10	
	Note: Answer all the questions.					
20	-	ut Infertility and its ca				
	-		classical model of Lac of	operon?		
21. Classify the adaptive traits found in organisms. (OR)						
Describe the Innate immunity- types and mechanisms?						
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