

CHENGALPATTU DISTRICT FIRST ASSESSMENT TEST - NOVEMBER 2021 BIOLOGY

Marks: 50 Time: 1.30hrs

BIO-BOTANY (MARKS: 25)

PART-I.

SECTION-I

		SE	CTION-I				
СНОС	SE THE CORRECT A	ANSWER AND WRITE	E WITH OPTION COD	DE:	$5 \times 1 = 5$		
1.	In majority of plants	pollen grains liberated	at				
	a) 1 Cell stage	b) 2 Cell stage	c) 3 Cell stage	d) 4 Cell stage			
2.	First cell of male gan						
	a) Microspore	b) Megaspore	c) Nucellus	d) Primary Endospe	erm Nucleus		
3.	ABO Blood group in	human is an example	of				
	a) Incomplete dominance		b) Dominant epistasis	S			
	c) Codominance		d) Complementary gene interaction				
4.	In Haplopappus gracilis number of chromosomes in cell of nucellus is 4, what will be the						
	Chromosome number in primary endosperm cell						
	a) 8	b) 12	c) 6	d) 2			
5.	Gene which suppress	ses other genes activity		same locus is called	as		
	a) Epistatic	b) Supplement only	c) Hypostatic	d) Co dominant			
		:	SECTION -II				
ANSW	ER ANY THREE OF	THE FOLLOWINGS:			$3\times2=6$		
6.	What is a Sexual repr	roduction?					
7.	Define ruminate endosperm and give an example						
8.	Draw the diagram of T.S of anther and label any four parts						
9.	What is alleles?						
10	Define lethal genes						
		S	SECTION -III				
ANSW	ER ANY THREE OF	THE FOLLOWINGS.					
_	TION NO.14 IS COM				$3\times 3=9$		
	List out the functions	-					
	Write short notes on	-					
	•	ficance of parthenocar					
		lete dominance and co					
15	. What is Polyembryon	ny? How it can comme	• •				
			SECTION -IV				
ANSW	ER THE FOLLOWIN	\mathbf{G}			$1\times 5=5$		
16	a) Explain the structu	re of an ovule with sui	table diagram				
		(or)					
	b) Explain about the	dominant epistasis in s	ummer squash				

BIO-ZOOLOGY (MARKS: 25)

PART -II

SECTION-I

CHOC	SE THE CORRECT A	ANSWER AND	WRITE WIT	H OPTION CODE:	$5 \times 1 = 5$
1.	In which mode of rep	roduction varia	ations are seer	1	
	a) Asexual	b) Parthenoge	enesis	c) Sexual	d) Both a and b
2.	Which one of the foll	owing is not a	seasonal bree	der?	
	a) Honey bees	b) Frogs		c) Lizards	d) Birds
3.	The foetal membrane	that forms the	basis of the u	mbilical cord is	
	a) Amnion	b) Allantois		c) Yolk sac	d)Chorion
4.	Find the mismatching				
	a) Gestation period	-	40 weeks		
	b) First Trimester	-	Developmen	nt of Heart	
	c) Second Trimester	-	Developmen		
	d) Third Trimester	-	By the end of	of 8 th month	
5.	The wall of the uterus	s which exhibit	s strong contr	actions during parturi	tion
	a) Perimetrium	b) Myometriu	m	c) Mesovarium	d)Endometrium
			SECTION	V - II	
6. 7. 8. 9. 10. ANSW QUES 11. 12.	Differentiate between How is juvenile phase Mention the important What is the composit. What is meant by Charles ANY THREE OF TON NO.13 IS COMP. Write a short note on Draw a labelled sketce. Placenta is an endoor	Asexual repro- e different from nce of the positi ion of Semen? orionic Villi? THE FOLLOW PULSORY. Conjugation various type of the of a Spermate ine tissue – Just	duction and Some reproductive ion of the test SECTION TINGS. I Natural partle ozoan. tify	e phase? es in humans. - III henogenesis.	$3 \times 2 = 6$ $3 \times 3 = 9$
15.	. Differentiate between	Identical twin	s and Fraterna	al twins.	
			SECTION	- IV	
ANSW	ER THE FOLLOWIN	G			$1 \times 5 = 5$
16.	a) What is parthenogenb) Describe the struct	(or)			ım.