www.Padasalai.Net	Virudhunagar District	www.Trb Tnpsc.Com			
V12Bio Common First Mid Terr					
2 A		2024			
	Standard 12				
Time: 1.30 Hours	BIOLOGY	Marks: 50			
	Part - A (Bio-Botany)	Marks: 25			
	Section - A				
L Choose and write	e the correct answer with opti	ion code: 5x1-5			
1) Transmitting	tissue is found in				
	a) Micropylar region of Ovule b) Pollen tube wall				
c) Stylar region of gynoecium d) Integument					
2) Find out the					
a) Duplicate g					
b) Supplementary genes - 9 : 7					
	c) Inhibitor genes - 9:3:4				
	d) complementary genes - 13 : 3				
	3) An allohexaploidy contains:				
a) six differen	-				
c) Two copies of three different genomes					
	d) Six copies of one genomes				
	henotype of wheat kernal colour	· · · · ·			
a) Dark red	b) Medium dark red c) Med	fium red d) light red			
	s Ovule is found in the family				
a) Primulacea	e b) Alismataceae c) Ca	ctaceae d) Leguminosae			
Section - B					
IL Answer any three questions:		3×2=6			
What are mult	tiple Alleles?				

- 7) Draw diagram of Hemianatropous Ovule with an example
- Give the names of the scientists who rediscovered Medelism
- 9) What is Stomium?
- Differentiate continous variation with discontinuous variation. (Any three points)

Section - C

III. Answer any three questions:

- 11) What are the reason for Mendel's Success in his breeding experiment?
- Write the gene mapping uses
- 13) What is endothelium?
- 14) How to do test for homozygosity of a trait in plants?
- List out the any three functions of Tapetum.

Section - D

(or)

IV. Answer the following questions:

Explain Incomplete Dominance with an example

What is endosperm? Explain the types.

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

1×5=5

75

www.Padasalai.Net	2	WW	w.Trb Tnpsc.Com	
V12Bio		700logu)	Marks: 25	
Part - A (Bio-zoology) Marks: 25 Section - A				
I. Answer all the ques			5×1=5	
1) The most importa	ant hormone in intia	ating and maintaining	g lactation after birth	
		o sere monitali ini	y lactation arter on th	
a) Oestrogen	b) FSH	c) Prolactin	d) Oxytocin	
2) A contraceptive p	pill prevents ovulat	tion by		
a) Blocking Fallop		 b) Inhibiting relevant 	ease of FSH and LH	
d) causing immediate degeneration				
 In which mode of reproduction variations are seen 				
a) Asexual	b) Parthenogen	stions are seen	the stand R	
 a) Asexual b) Parthenogenesis c) Sexual d) Both A and B d) Both A and B 				
a) Leydia cells	5 protection pro	b) Hypothalamu		
c) Sertolicells		d) Pituitary glan	d A	
5) Match Column I with Column II and select the correct option from the codes				
given below				
Column I	- 110	Column I	I	
A. Copper releasin B. Hormone releas		i) LNG		
B. Hormone releasing IUD C. Non medicated IUD		ii) Lippes loop It	D	
D. Minipills		iii) Saheli iv) Multiload - 37	75	
a) A(iv) B(ii) C(i) D(iii)		b) A(iv) B(i) C(iii)		
c) A(i) B(iv) C(ii) D		d) A(iv) B(i) C(ii)		
Section - B				
II. Answer any three of the following questions: 3×2=6				
6) Write about the outer layer of embroyonic membrane?7) What is Prostatitis?				
8) What is Apolysis? Write about that significance?9) Write any two studies that diagnose cervical cancer.				
10) Write about a sexual reproductive system in Aurelia				
A statistic system in Aurena				
Section - C				
III. Answer any three of t	he following que	stions:	3×3=9	
How is Polyspermy avoided in human?			0/0-9	
12) Write about Exogenous budding with example?13) What is also as a second second				
13) What is chorionic villus sampling?14) Amplication of the sampling?				
 Amniocentesis, the foetal sex determination test, is banned in our country. Is it necessary? Comment 				
15) Write the significance of ferguson reflex?				
s and s guson reliex:				
Section - D				
V. Answer the following questions:				
a) Write the sexual	ally transmitted di	seases caused by h	1×5=5 Dacteria and their	
symptoms			and the then	

(OR)

b) Name the gemete cell that fertilizes the ovum in human end draw and explain its structure? And draw the diagram of spermatogenesis?

- - - - - -

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com