Total No. of Printed Pages: 2

SUBJECT CODE NO: - Y-2191 FACULTY OF SCIENCE AND TECHNOLOGY B.Sc. (PATTERN-2013) (F.Y SEM II)

Examination April / May - 2024
Zoology Paper-V Genetics - I



			oology Paper	-v Genetics - I		
[Time	:1:30 H	ours]			[Max. Marks:5	0
		Please check wh	ether you hav	e got the right question pa	40. 보호 20. 10. 10. 10. 10. 10. 10. 10. 10. 10. 1	
N. B		1) Attempt all qu	estions			
		2) Illustrate your	answer with	suitable labelled diagram.		
Q.	1 Defin	e Law of Independent as	ssortment wit	h suitable example.	20)
				and a soft suggested one fore		
			reliquito / vi	OR		
	Triplo	oid intersexes and Gynar	ndromorphs in	n Drosophila		
				SWON THE GENERAL SOL		
Q.	2 Define	e Gene Mutation. Descr	ibe types of g	ene mutations	20)
					to the second of	
			(OR		
	Write	short notes on: (any fe				
	a)	Test Cross		Andrews Control of the Control of th		
	b)	Supplementary Genes				
	c)	Coat colour in Rabbit				
	d)	CO ₂ Sensitivity in Dro	sophila			
	e)	Y-linked - Sex linked				
	f)	Spontaneous mutations	3			
				and the second second second		
0.3	Select	and Write correct ans	wer from the	e given alternatives in eac	ch sub question 10	
ili i equient		Sa are and the statement of		And Andrews Comment of the Comment o	n sub-question 10	
	1)	When sudden genetic of	hange occurr	ed in organism and expres	sed in the	
		phenotype is called as		A STATE OF THE STA		
		a) Heredity	2001	b) Mutation		
		c) Variation	15	d) Domination		
			6914 B			
	2)	Lors of part of chromo	some is called	l as		
		a) Deletion	b) Dupli	cation		
		c) Inversion	Processor.	d) All of these		
	3)	Organism having more	than two con	nplete sets of chromosome	s is known	

od a series	a) Polyploidy		b) Euploidy	
STEMP S	c) Aneuploidy		d) None	
1.61			a i Barto de Tario de Conderio, incluir de la como de l La como de la como de l	
4) W	hich is a sex linked	disease in man?		
	a) Colour blindnes		b) Beriberi	
	c) Sickle cell anae	等解析的 医多种性 医乳桂皮脂肪 医多种	F. S. C. R. R. S. R. M. R.	
	No.			
5) A	n Universal donor ha	as this type of blo	ood group.	
	a) I ^o I ^o	b) I ^A I ^A	The second secon	
	c) I ^B I ^B	d) I ^{AB} I ^{AB}		
	7 June 77 (1960)			
6) 9:	7 ratio in F ₂ generati	ion is an example	e of	
	a) Incomplete don		b) Co- dominance	
	c) Epistasis		d) Complementary genes	3
7) A	cross between pea c	comb and single	comb chicken in F2 genera	tion
	cross between pea c io is	comb and single	comb chicken in F ₂ genera	tion
		b) 9:3:3:1	comb chicken in F2 genera	tion
	io is		comb chicken in F2 genera	tion
rat	io is a) 1:2:1 c) 9:7	b) 9:3:3:1 d) 9:3:4	i menera Sandania S	tion
rat	io is a) 1:2:1 c) 9:7 he characters not exp	b) 9:3:3:1 d) 9:3:4	eration is called as	tion
rat	io is a) 1:2:1 c) 9:7	b) 9:3:3:1 d) 9:3:4	eration is called as b) Recessive	
rat	io is a) 1:2:1 c) 9:7 he characters not exp	b) 9:3:3:1 d) 9:3:4	eration is called as	
rat	io is a) 1:2:1 c) 9:7 he characters not exp a) Dominant c) Sex linked	b) 9:3:3:1 d) 9:3:4 pressed in F ₁ gen	eration is called as b) Recessive	
rat	a) 1:2:1 c) 9:7 ne characters not exp a) Dominant c) Sex linked nenotypic mutations	b) 9:3:3:1 d) 9:3:4 pressed in F ₁ gen	eration is called as b) Recessive d) Cytoplasmic inheritand	
rat	a) 1:2:1 c) 9:7 the characters not exp a) Dominant c) Sex linked thenotypic mutations a) Dominant	b) 9:3:3:1 d) 9:3:4 pressed in F ₁ gen	eration is called asb) Recessive d) Cytoplasmic inheritance b) Recessive	
rat	a) 1:2:1 c) 9:7 ne characters not exp a) Dominant c) Sex linked nenotypic mutations	b) 9:3:3:1 d) 9:3:4 pressed in F ₁ gen	eration is called asb) Recessive d) Cytoplasmic inheritance b) Recessive	
9) Ph	a) 1:2:1 c) 9:7 the characters not exp a) Dominant c) Sex linked menotypic mutations a) Dominant c) Is allelic	b) 9:3:3:1 d) 9:3:4 pressed in F ₁ gen are d) All of t	eration is called as b) Recessive d) Cytoplasmic inheritand b) Recessive hese	
9) Ph	a) 1:2:1 c) 9:7 the characters not exp a) Dominant c) Sex linked thenotypic mutations a) Dominant	b) 9:3:3:1 d) 9:3:4 bressed in F ₁ gen are d) All of t	eration is called as b) Recessive d) Cytoplasmic inheritance b) Recessive hese	

