PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

14 & TUO 6

BSc DEGREE EXAMINATION MAY 2017 (Second Semester)

Branch - BIOTECHNOLOGY

CLINICAL GENETICS

Tin	ne	: Tljree Hours					Maximum: 75 Marks			
				ECTION-A Answer AI	•					
				uestions ca	-			(10x2 = 2	0)	
2 V 3 V 4 D 5 V		Dejfine linkage. Wnat is the Men								
			/rite about Klinefelter syndrome.							
			efine allele frequencies. /hat are the symptoms for thalassemia?							
		-	refine sex linked inheritance,							
7		Define OMIM.		,						
8		What are the trea			s mellitus	?				
	V	What are the merit		ın?				•		
10		Define correlation	on.							
		I .	A	ECTION - Answer AL	L Question	,	(5 v 5	– 25)		
		J			•	AL Maiks	(JXJ)	- 23)		
11		Write a short note		OR						
			Sive a short note on mitochondrial gene.							
12	a	Write a short on a	abnorma		ome numb	er.				
	h	Write a short note	e on ahr	OR ormal chro	masame s	structure				
1.2										
13	a	,		OR		ampie.				
	b	i						■ '*		
14	a	т	note on		inheritanc	e in human	IS.			
	b	Write about to	wins for	OR.	r disease					
1.5		TT7 *, 1 ,				tandanav				
15	a	write a short	note on	OR	or centrar	ichachey.				
	b	Write about H	Iardy W	_	inciple.					
		!		ECTION - (,					
		I		ver any TH Questions C	-	stions AL Marks	(3 x 10	0 = 30)		
16.		[Explain gene	[Explain genetic linkage.							
17		pive a detailed	pive a detailed note on mutation.							
18		Explain disord	Explain disorder of x linked inheritance*							
19		Explain diabe	Explain diabetes mellitus.'							
20		Calculate med	dian for 0- 10	•		30-40	40-:	50 *		

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