STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI –600 086 (For candidates admitted from the academic year 2019 – 2020 & thereafter)

SUBJECT CODE: 19BI/PC/GP24

M. Sc. DEGREE EXAMINATION, APRIL 2022 BIOINFORMATICS SECOND SEMESTER

COUPAR	URSE PER	:	CORE GENOMICS AND PROTEOMICS 90 MINUTES	MAY MADIC. 50
1 110	1E	•	SECTION – A	MAX. MARKS: 50
ANS	SWER A	LL TI	HE QUESTIONS	$(20 \times 1 = 20)$
1. W	Vhat is an	ORF?		
			s histone between human and horse?	
3. W	/hat is ger	ne dup	lication?	
4. M	Iercaptoet	thanol	the protein	
			is favored by the excess addition of	.
6. Pı	rotein- pro	otein ii	nteractions are tissue specific. – True/False	
7. S	ynapomor	rphy is	·	
8. W	Vhat is not	n- codi	ing RNA?	
9. E	xon introi	n boun	daries help in gene identification True/Fals	e
10. v	What is an	n oblig	ate interaction? Give an example.	
11. Y	What is a	misser	nse mutation?	
12. Y	What is th	ne prok	caryotic homolog of HSP40?	
13. I	Define hy	dropho	obic collapse.	
14		ar	nd two dyes used in microarray	
15. (Give an ex	xample	e of super secondary structure of protein.	
16.	The pitch	of a he	elix is	
			rmation is a reaction.	
18. 2	Zoo blotti	ng is a	technique used to identify	
	RIN is			
20. 1	Name two	genes	s that are found in humans and not chimpanze	es.
			SECTION – B	
ANS	SWER A	NY TV	WO OF THE FOLLOWING; .	(2 X 15 =30)
21.	What are	the th	ree methods available to identify the protein-	protein interaction
22.	Explain t	he med	chanism involved in SAGE technology.	
23.	What is t	he role	of GROEL in protein folding?	
24.	What is d	listanc	e based phylogenetic methods? Explain the st	eps.
