## QUIZ 1 (BT-621) 09-09-2024

NAME:		ROL	. NO:
SIGNATURE:			
1) Which of the following is N	IOT TRUE about sub-genor	nic RNAs of (+) st	rand RNA viruses, they
(C) counter plant-made		coding capacity o messengers for pr	f small viral genome otein expression
2) Anti-sense strand of small	RNA duplex finds targets r	mRNA with the hel	p of
(A) multi-protein RISC of ★(C) DICER proteins	omplex (B) Argonau ×(D) RdRP pro		
3) Following viral protein is p	orimarily responsible for sys	stemic infection	
	clear shuttle protein (C)		(D) movement protein
4) An antisense vector to su	ppress endogenous gene e	xpression typically	consists of a strong promoter-driven
(A) antisense sequence (B) direct repeats of tar (C) sense sequence of t (D) inverted repeat sequence	get gene sequence separat arget gene	Value Access American Street	quence
5) Insecticidal Bt protoxins go	et converted to active toxin	s in insect's digest	ive tract by
(C) action of gut microb	sect gut (B) acidic ph	of the insect gut pressed Bt toxin p	
	prevent the synthesis of foll opane-1-carboxylic acid)		
7) Mutations based on T-DN	NAs insertions is better than	transposons inse	tions as T-DNAs
(B) help in gain	ally and physically stable		
8) Insertion of maize transp	osable element (Ac or Ds)	elements in plants	causes
(B) Stable muta	ation using Ac element ation using Ds element utation using Ac element above		
9) Stable loss of function m	utant can be generated usin	ng following mobil	e genetic elements
(A) Ac (B) Ds (C) Ac and Ds (D) All of the at	nove		
10) Following mobile genetic		biotic stress	

(A) Ac (B) Ds (C) Ty3/gypsy (D) Ty1/copia