Date: 1-2-2024 SUT - 2024 Time: 1 hour A Std: IX Sub: Science & Technology Marks: 20

Part: I

Q.1) Select proper alternativ	ve and write the comple	te
statements:		(4)
To join plastic surfaces t	ogether sound is u	ised.
	b) infra-sonic	
ultrasonic		
2) The frequency of infra-se	onic sound is	
	b) greater than 20000 I	Hz
c) greater than 20 Hz	tess than 20000 Hz	
3) If the object is placed at		front
of concave mirror then s	ize of image formed is	
a) magnified	b) diminished	
c) same as the object	✓ d) very large	
A) The mirrors used in shop	os and malls are mi	irrors.
_a)_plane	b) concave	
c) convex	d) none of the above	
,	,	
Q.2.A)Answer any two of th	e following:	(4)
Sound waves of wavel	_	
	is their frequency? Can t	
sound be heard by hum		7
State the difference bet		ual
image.	8	
·	l diagram of Cartesian sig	n
conventions.	2	5
Q.2.B) Answer the following	g: (any 2)	(2)
Define - Velocity of so		(2)
Which mirror is used in		
solar devices, head lan		
3) Which sound is created		night?
Why?	, G	

Std: IX Sub: Science & Technology (2)

	<u>Pa</u>	<u>rt : 11</u>		
Q.1)	Select the proper alter	native and w		
	statements:		. (4)	
1	To get round and yellow	peas	genotype is	
	necessary.		٠,	
	a) rrYY b) RRyy	c)-rryy	d) RrYy	
2	The number of chromos	somes in frog	; is	
	a) 20 -b) 4		d) 26	
(3)	-Flower of tuberose open	s at		
	a) night b) morning		d) evening	
44			dination of reflex	
,	action.			
	a) Cerebrum	b) Cerebel	lum	
	c) Medulla oblongata	d)-Spinal c	ord	
Q.2.A	A) Answer any two of th	e following:	(4)	
1)	Write a short note on Transpiration.			
2)	The state of the s			
(3)-	-Explain the structure, fi	inction and ty	ypes of RNA.	
Q.2.B	B)Answer the following:	(Any 2)	(2)	
1)	3:1 : Monohybrid : : 9 : 3 : 3 : 1 Indenfify			
	co-relation.			
(2)	Complete the following	:		
ŕ	Hereditary d	isorders		
		1		
	<u> </u>]	
3)	Write the names of horo	mones secre	tated by following	
<i>J</i>	endocrine gland - Thyro			