STD - 10

FIRST MID TERM TEST - 2023 SCIENCE

[Marks : 50

		01	TITAL	TI	War State	of the	
Time: 1.30 Hours		50	CIEN	L			
- The . The Hours	등에 다시하는 아이지 않는 것.		Comment of the Comment	(5)(ab)(

PART - I

		선생님 없는 없는 바이를 내는 것을 들어갔다면		얼마나 아내는 아내는 아니는 아니는 아니는 아니는 아니는 아니는 아니는 아니는 아니는 아니	The Arthur		발매되었다. 얼마 하고 있는 그 말라면 하고 하고 하고 있다.	
	A	nswer all the que	stions.	Choose the bes	st opt	ion	8 × 1 = 8	
1.	W	hich lens is used t	o corre	ct astigmatism?				
	a.	convex lens	b.	Bifocal lens	c. Co	ncave lens	d. Cylindrical lens	
2.	At	omicity of phospho	rus is				CONTROL CARREST AND	
	a.	2	b.	4	c.	3	d. 1	
3.	To	project the rocket	which c	of the following pr	inciple	e(s) is / are red	uired?	
	a. Newton's third law of motion				b. Newton's law of gravitation			
	c.	Law of conserva	tion of I	inear momentum		a&c		
4.	Tł	ne gap between inc	isor an	d premolar teeth	of rab	bit is called—		
	a.	diastema	' b.	Hirudin		Heparin	d. Heterodont	
5.	(-	group contain	s halog	en family				
	a.	17 th	b.	15 th	C.	18 th	d. 16 th	
6.	W	here should an ob	ject be	placed so that a	real	and inverted in	nage of same size is	
	ob	tained by a convex	lens?					
	a.	;F	b.	2F c. infir	nity	d. Between F	and 2F	
7.	Kr	eb's cycle takes pl	ace in					
	a.	Chloroplast			b.	Mitochondria	matrix	
	c.	Stomata			d.	Inner mitocho	ondrial membrane	
8.	Th	e body of leech ha	S					
•	a.	23 segments	b.	33 segments	c.	38 segments	d. 30 segments	
				Part - II			6 × 2 = 12	
		swer any six que						
9.	lde	entify whether the s	tateme	nts are true or fal	lse. If	the statement	is false correct it.	
	a.	Weight of a body	is grea	ter at the equator	and 1	ess at the pola	r region.	
	b.	The convex lens	always	gives small virtua	al imag	ge.		
/		ate Newton's secon	A					
11.	Dra	aw a ray diagram	to show	v the image form	ned by	a convex ler	s when the object is	
	pla	ced between F and	2F.					
12.	De	fine relativé atomic	mass.					
13.	Fil	l in the blanks						
	a.	is the long	gest per	riod in the period	ic tabl	е		
	b.	Chief ore of alumi	inium is					
		ite the dental formu	ıla of ra	bbit	•			
		culate the molecul						
		at is respiratory qu						
					Your St.		10 - Science Page - 1	

Answer any four questions. Question number 21 is compulsory

- 17. a. What is rust? Give the equation for the formation of rust
 - b. State two conditions necessary for rusting of iron
- 18. Differentiate mass and weight
- 19. What are the applications of Avogadro's law?
- 20. i) Name the three basic tissue systems in flowering plants.
 - ii) Match the following

1. Amphicribal

Conduction of water 3

2. Amphivasal

Translocation of food4

3. Xylem

Fern

4. Phloem

Dracaena 2

- 21. A beam of light passing through a diverging lens of focal length 0.3 m appears to be focused at a distance 0.2 m behind the lens. Find the position of the object *
- 22. How does locomotion take place in leech?

Part- IV

 $2 \times 7 = 14$

Answer all the questions.

- 23.i) Differentiate the following
 - a) Aerobic respiration and anaerobic respiration
 - b) Dicot root and monocot root

(or)

- ii) Explain the male reproductive system of rabbit with a labelled diagram
- 24. i) a. State Rayleigh's law of scattering of light
 - b. State the universal law of gravitation and derive its mathematical expression

(or)

- ii) a. Give the salient features of modern atomic theory
 - b. Define atomicity.

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