

Register			
Number	 1	1 1	
TO THE PART			

COMMON HALF YEARLY EXAMINATION - 2024 - 25

Time Allowed : 3.00 Hours		SCIEN	Max. Marks: 75	
		PART -	-1	
I.	Choose the correct a	Nower.		12x1= 12
1.	1 metric ton is equal to			
	a) 100 quintals	b) 10 quintals	c) 1/10 quintals	d) 1/100 quintals
2.	Clouds float in atmosphe	ere because of their low		7.5
	a) density	b) pressure	c) velocity	d) mass
3.	Transformer works on			
	a) AC only	b) DC only	c) Both AC and D	C d) none
4,	The speed of light is ma:	kimum in		
	a) vacuum	b) glass	c) diamond	d) water
5.	The correct electronic co	onfiguration of potassium	n is	
	a) 2,8,9	b) 2,8,1	c) 2,8,8,1	d) 2,8,8,3
в.	Elements in the modern	periodic table are arrange	ged in groups and p	eriods
	a) 7,18	b) 18, 7	c) 17, 8	d) 8, 17
7.	compounds have	high melting and boiling	g points.	of No. 1
	a) Covalent	b) Coordinate	c) Ionic	d) both b and c
8.	The common name of C	alcium Oxychloride is		la ja jägi ereki liita
7	a) Common Salt		b) Bleaching power	der
	c) Plaster of paris		d) none	
9.	Aerenchyma is found in			
	a) epiphytes	b) hydrophytes	c) halophytes	d) xerophytes
10.	Transpiration takes place	e through	A 70	
	a) fruit	b) seed	c) flower	d) stomata
11.	Food and Adulteration A	t was enforced by Gove	ernment of India in t	ne year
	a) 1964		c) 1950	d) 1963
12.	The organ affected by ja	undice is		
	a) liver	b) lungs	c) kidney	d) brain
		PART -	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
II.	Answer any SEVEN of	the following question	s. Question no 22	Is compulsory. 7X2=14
	Define least count.			
14.	Compare speed and velo	city		
	State whether true or fals		atement	
	a) Ammeter is connecte			
	b) Archimedes' principle			
16	A few drops of 'Dettol' wh			Mbv2
	State modern periodic law		iixtare turns turbiu. Y	vily:
	Identify the following reac		luntion	
	a. Na→Na* + e.	b. Fe ³⁺ + 2 e ⁻ →Fe ⁻		
		u. re + ∠ e →Fe		TPR/J/9/Sci/1

	(C	C) Echinodermata (iii)) Tapeworm				
	(D	D) Mollusca (iv)) Hydra				
20.	. Why your doctor advises you to drink plenty of water?						
21.	W	Vhat is slide?			, v.H., st		
22.	Th	he speed of light in air is 3×108 n	ms-1 and in glass it is 2	×108 ms-1. What is	the refractive index of		
	gla	lass?					
			PART - III				
m.	An	answer any SEVEN of the follo	owing questions. Que	estion no 32 is co	mpulsory. 7X4=28		
		xplain different types of motion.					
24.	I. State the laws of flotation.						
25.	Dif	offerentiate step up and step-do	wn transformer.				
) Define Tyndall effect			a v 180		
) Define Sublimation.					
27.	Dis	viscuss in brief about the propert	ties of coordinate cova	lent compounds.	2 20 1		
		Vrite any four uses of bases	8.	*			
		ist out the differences between n	nitosis and melosis.				
		hat are the effects of consumin					
		Expand the following.					
		i) HIV ii) WHO			N		
	b)) Pick out the odd one					
	-,	i) AIDS, Retrovirus, Lymphocy	ytes, BCG,	200	es Villa *		
	- 41	ii) Bacterial disease, Rabies, (Cholera, Common cold	and Influenza			
32	Ca	alculate the number of neutrons,	protons and electrons:	(i) atomic number	3 and mass number		
JL.		(ii) atomic number 92 and mass		Section 1			
	, ((ii) Zioimo namboi de ane mese	PART - IV				
IV	Δn	nswer all the questions.			3X7=21		
22	2)	Derive the equations of motion	n by graphical method.	(OR)			
JJ.		i) Differentiate mass and weig					
	٠,	ii) List the safety features while					
34.	٥١.		ohr's atomic model.				
U - 4.	a,	ii) Draw the structure of Sulphi					
		iii) The valency of Argon is					
	ы	i) List down the differences be		lent compounds.			
	٠,	ii) NaCl is insoluble in carbon	tetrachloride but solub	le in water. Give re	ason.		
35.	2)	·					
JŲ.	۵,	ii) List the respiratory organs of					
	ы	i) What is nastic movement?		5 (1)			
	-,	ii) Describe the alimentary can	al of man				
					TPR / J/9 / Sci / 2		
			A 14 14 15	10 th 10 10 10 10 10 10 10 10 10 10 10 10 10			

EXAMPLES

(i) Snail

(ii) Starfish

19 Match the following.
PHYLUM

(A) Coelenterata

(B) Platyhelminthes