	20/	2/24 AN.		
- Champai district	2011	2124 AIV.		
Class: 9 Chennai district	Register Number			
COMMON HALF YEARLY EX	XAMINATION -	2024 - 25		
DOLENOE				
Time Allowed . 5.00 Hours	102	[Max. Marks: 75		
1. 1 Metric ton is equal to		12x1= 12		
	c) ¹ / ₁₀ Quintals	d) 1/ 100 Quintals		
(a) Density b) Pressure	c) Velocity	d) Mass		
3. Which of the following converts electrical energ	y Into mechanical ene	eray?		
(a) Motor b) Battery	c) Generator	d) Switch		
4. A ray of light passes from one medium to another	er medium. Refraction	takes place when angles		
of incidence is				
a) 0° (b) 45°	c) 90°	d) 60°		
5is essential to perform separation by	solvent extraction met	thod.		
Separation funnel b) Filter paper Modern periodic law states that the physical and a	c) Centrifuge mac	hine d) Sieve		
 Modern periodic law states that the physical and of functions of their 	chemical properties of	elements are the periodic		
Atomic Numbers b) Atomic Masses	c) Cimilorities	d) 4		
7. Number of valence electrons in Carbon is	c) Similarities	d) Anomalies		
a) 2	c) 3.	d) 5		
.8. Which of the following is a complex tissue?		u) 5		
a) Parenchyma b) Collenchyma	Xylem	d) Sclerenchyma		
9. Stomach of human beings mainly digests		a) colerencinyma		
a) Carbohydrates (b) Proteins	c) Fat	d) Sucrose		
10. Which of the following is transmitted through air?		1, 513.535		
(a) Tuberculosis b) Meningitis	c) Typhoid	d) Cholera		
11. Chlorophyll in a leaf is required for				
(a) Photosynthesis b) Tropic Movement	c) Transpiration	d) Nastic movement		
12. A presentation consist of many a) Pages				
	c) Place holders	d) Messages		
II. Answer any seven (7) questions only Question				
13. Differentiate Mass and Weight? Mass Scalar, 14. State Pascal's Law External Pressure on	unitky lweight	· Vector, unit rewton		
14. State Pascal's Law/ External Pressure or 15. Match the following	ruquia is transh	utted throughout liquid		
a) Electric charge - Ohm C		, o paren		
b) Potential difference - amphere	*			
c) Resistance - Coulomb @		_		
d) Electric current - Volt b		du activi		
d) Electric current - Volt b 16. Define Sublimation. Change of State from 17. Write a note on different types on Bonds I DNIC 18. What are the uses of 'Plaster of Paris' Plasten.	isolid to gos	with the driver board		
17. Write a note on different types on Bonds I onic	Covalent, Coor	dinate Hydrogen 2018		
19. Fill in the Blanks.		ट्या राजी 👑 Сн/9/Sci/1		
6 CO ₂ 6 H 2 O sun light G H 206 + 5 O ₂ ↑	TITI 144 III	M (101)		
d boxan	A Kali	CH/9/Sci/1		
cea brebaren a				
		• •		

201		
		pifferentiate: Incisors and Canines for tearing, 8 ms.
	20	nifferentiate: Incisors and Canines - Foll + Calluing A in the
	20.	Explain any two methods of Food preservation. Data is a
	21.	Explain any two methods of Food preservation. Druging, Smoking calculate the amount of charge that would flow in 2 hours through an element of an electric bulb
	2.2	drawing a current 2.5 A. I = 9/1 f = 2x60x60 = 72.0008 9- It = 3 5 1200
	•••	Answer any 7 questions: (Q.No.32 is compulsory)
		i) Define Least count of any device. Smallet t. disharms and the
	23	
		ii) Define Velocity Rato of change of displacement. Unit m/s
	24.	A TOWN TOWN TO THE PARTY OF THE
		ii) How are the Home Appliances connected in General, in ceries or Parallel Site Reason 20ch
	25.	i) What is the Speed of Light in Vaccum? $3 \times 10^8 \text{m/s}$
	i	ii) What is meant by Magnification? Write its expression.
	26. i	What is meant by Magnification? Write its expression. Natch the following height of image lheight 9 65pd; m-1
	E	a) Dalton - i) Hydrogen atom model of
	b	o) Chadwick - ii) Discovery of Nucleus C
	c	c) Ruther ford - iii) First Atomic theory Q
	d	I) Neils Bohr - iv) Plum Pudding model
		v) Discovery the neutrons
	ii	
:	27. i)	
	iil	Define Aquaregia Advisor A August in voting: I descue A
2	8. i)	True or False? (If False give the correct statement)
-	,	a) C in CO, Define Aquaregia. Mixture of HCL dHNO3 in votto3; I, descue A True or False? (If False give the correct statement) Fishes have two chambered heart. True b) What is Complex tissue? Made of most H Skin of reptilians are smooth and moist. Onl type of Cell Ex Xylem, Philosom ifference between tropic and Nastic Movement? any four?
		Skin of restilians are smooth and maint Athle two of Coll Sx Nuls is Dhillow
2	0 0	Grance between trans and Martin Merchant? and force
	9. D	explain the Structure of Nephron. Functional with 65 kidney
3	1. i)	
	a)	
	b)	
	c)	AIDS - Mycobacterium OL -
	d)	Tuberculosis - Influenza virus H.N. Commenta hor
	ii)	What is a (Slide? 4 sungle page of 10001) 17 12,8,7).
32	. Wi	rite the Electronic configuration of 'K' and 'Cl'
IV	. An	Tuberculosis - Influenza virus H.N. Q. What Is a Slide? Usingle Page of Presentation rite the Electronic configuration of 'K' and 'Cl' Draw k (2,8,8,1) = 17. (2,8,7). swer all the question. 3x7=21
		(i) Explain different types of Motion. (any five)
	-,	(ii) State the Laws of Flotation? (OR)
	h)	(i) Explain the principle, construction and working of a DC. Motor.
34	. a)	
34	. a)	
		different methods. (OR)
	b)	
		ii) Sulphuric acid is called king of Chemicals. Why is it Called so?
35	(a)	
		ii) Why are Frogs said to be Amphibians.
		(OR)
	b)	How are Vitamins useful to us? Tabulate the Sources, deficiency diseases and Symptoms of
		Fat Soluble Vitamins.