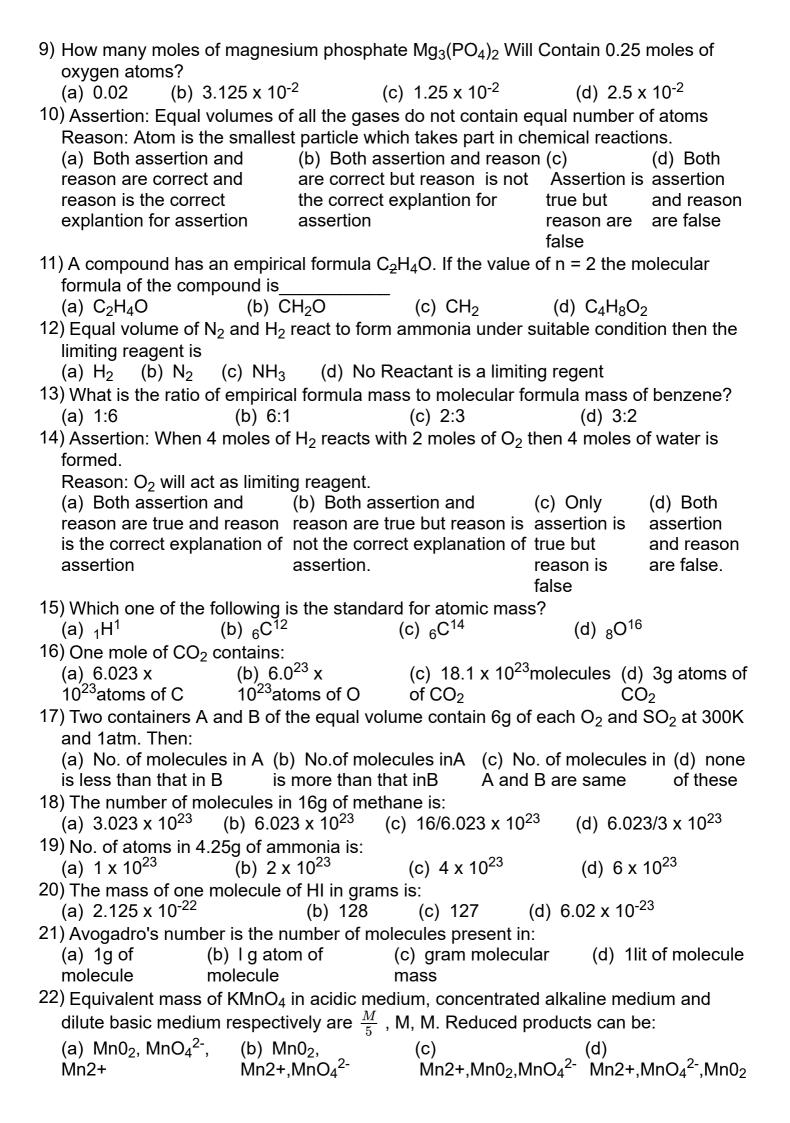
RAVI MATHS TUITION CENTER, NEAR VILLIVAKKAM RLY STATION, CHENNAI - 82. WHATSAPP - 8056206308

Basic Concepts of Chemistry and Chemical Calculations 2

11th Standard

\sim 1		
Che	m	ıctr\.
Olic	'	ıstı y

	Chemistry		
Exam Time : 00:50:00 Hrs		То	tal Marks : 50 50 x 1 = 50
	H_3BO_3 , which is not a protic acid		
	(c) Three		
2) In the reaction to $NH_3 + H_2C$ acidic is	$0 \longrightarrow NH_4^+ + O\overline{H}$, NH_3 is acidi	c in. the reas	on for its
	(b) A release of one (c) Due to OH-ion nitrogen a		(d) All the above
3) Calculate the percentage of (a) 121.42% (b) 2	N in ammonia molecule. 28.35% (c) 82.35%	(d) 28.5	53%
	ter, what will be the gram molec		
(a) 23 gram molecule	(b) 23% (c) 32% (d) 3	32 gram mole	cule
5) Assertion: The atomic mass	es of most of the elements. are in epresents the ratio of the averag	n the fraction.	
=	(b) Both assertion and reason	(c)	(d) Both
` '	are correct but the reason is	` '	` '
	not the correct explanation for		
explanation for assertion	an assertion	reason are false	are false
Reason Each of the species	ygen atoms in 16g of oxygen an represent 1g atom of oxygen	_	ne is same
	on (b) Both assertion and reaso		(d) Both
	are correct but a reason is		
the correct explanation for a assertion	n not the correct explanation fo assertion	r true but reason are false.	
7) Assertion: The ash produced paper.	d by burning paper in air is lighte		ginal mass of
• •	combustion of a chemical entity	ı is alwavs lig	hter
(a) Both assertion and	(b) Both assertion and reason		(d) Both
reason are correct and	are correct but reason is not		assertion
reason is the correct	the correct explanation for	true but	and reason
explanation for assertion.	assertion	reason are false	are false
8) Assertion: Oxalic acid is a di	basic acid		
Reason: It contains two basi			
(a) Both assertion and	(b) Both assertion and reason	` '	(d) Both
reason are correct and	are correct but reason is not		
reason is the correct	the correct explanation for	true but	and reason
explanation for assertion.	assertion	reason are false	are false



23) What is the mas	s of the precipitate forr	med when 50 mL of 16	.9% solution of AgNO ₃ is
mixed with 50 mL	of 5.8%NaCI solution	?	
(a) 7g	(b) 14g	(c) 28g	(d) 35
24) 5.6 L of a gas at	STP are found to have	e mass of 11g. The mo	lecular mass ofthe gas
is:			
(a) 36	(b) 48	(c) 40	(d) 44
25) Which of the foll	owing is a mono-atomi	ic molecule?	
		(c) Sodium	(d) Ozone
26) The value of Avo	ogadro Number N is ed	gual to	. ,
(a) 2.24 x 10 ⁻² L	(b) 22400 cm ⁻³	(c) 6.023 x 10 ⁻²³	(d) 6.023 x 10 ²³
27) 22 q of CO ₂ con	tains n	nolecules of CO ₂ .	. ,
(a) 6.023×10^{-23}	tains m (b) 6.023 x 10 ²³	(c) 3.0115 x 10^{23}	(d) 3.0115 x 10 ⁻²³
28) The number of n	noles of ethane in 60 g	ı is .	,
(a) 2		(c) 0.5	(d) 1
` '	` '	to prevent rusting of iro	• •
	•	(c) Chrome plating	
		a snowflake weighing	
(a) 3.35 x 10 ¹⁹	(b) 6.023 x 10 ²⁵	3 (c) 3.35 x 10	O ⁻¹⁹ (d) 100
			()
(a) 40	nass of NaCl is (b) 58.5	(c) 35.5	(d) 23
		equired to produce 4 m	\ /
		(c) 6 moles	
		ed to prepare 1 mole o	
or of the frame of the	noise of exygen require	ou to propare i more e	. Water ie
(a) 1 moles	(b) 0.5 moles	(c) 2 moles	(d) 0.4 moles
		when 50 g of CaCO ₃ is	
(a) $2.24 \times 10^{-2} \text{m}^3$	<u> </u>	(c) 11.2L (20 1
\ /	` '	u + 3SnCl ₄ which is an	
	_	(d) Both AuCl ₃ and	5 5
_		s elementary state is e	
		(d) Charge of the ic	•
	• •	• •	
(a) +4	umber of Cr in $K_2Cr_2O_7$ (b) +6	(c) 0	(d) +7
38) $7n(s) + Cu^{2+}$	\rightarrow $7n^{2+}$ \rightarrow + Cu \rightarrow In the	his reaction, which gets	s oxidised?
(a) Cu ²⁺	(h) $7n^{2+}$	his reaction, which gets (c) Zn (d) Z	n Cu ²⁺
		le for disproportionation	
		2KCl (c) PCl ₅	
7nSO ₄ +Cu	+ 30 ₂	$\rightarrow PCl_3 + Cl_2$	\rightarrow 3H ₂ PO ₄ + PH ₂
·	-	of hydrogen gas at ST	
		0.01 (d)	
` '	cules are present in 32	` '	0.001
		²³ /2 (c) 6.023 x 10 ⁻²	23 (d) 3.011 x 10 ²³
` ′	s of water is present in	` '	(d) 0.011 X 10
_) 18 (c) 55		5.555
43) The molar mass		.00 (u)	0.000
(a) 129		(c) 110	(d) 70
` '	en at STP is equivaler	` '	(d) 10
		(c) 1/8 mole	(d) 1/2 mole

43) 12 g oi wig wii	react completely wi	illi an acid to give		
(a) 1 Mole of C	D_2 (b) 1/2 mole of	of H ₂ (c) 1 mole	of H ₂ (d) 2 mo	le of H ₂
	ollowing halogens de			
compounds?				
	(b) Chlorine			
47) On the reaction	on 2Ag + $H_2SO_4 \rightarrow A$	\g ² SO4 + 2H ₂ O + S(O ₂ .Sulphuric acid ad	cts
as				
(a) oxidising a	gent (b) reducing ag	ent (c) a catalyst (d)an acid as well as	an oxidan
	number of carboxyli	c carbon atom in C <mark>F</mark>	H ₃ COOH is	
(a) +2	(b) +4	(c) +1	(d) +3	
49) When methan	e is burnt in oxygen	to produce CO ₂ and	l H ₂ O, the oxidation	number of
carbon change				
` '	(b) +4	\ /	(d) +8	
50) The oxidation	number of carbon is	zero in	•	
(a) HCHO	(b) $C_{12}H_{22}O_{11}$	(c) $C_6H_{12}O_6$	(d) All the abo	ve

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