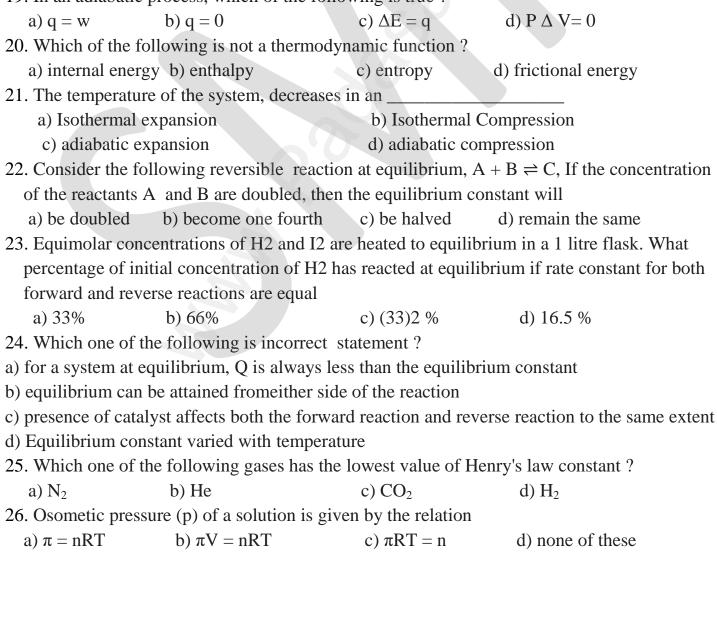
## **ONE MARK TEST-II**

SUBJECT : CHE STD : XI		FULL PORTION)	TIME: 45 MINTS MARKS: 50
CHOOSE THE (	CORRECT ANSWER	, , , , , , , , , , , , , , , , , , ,	50 X 1 = 50
		dad to 20 a of acatio as	
			eid solution, the residual
	nd to weigh 33 g. The nu	imber of moles of carbo	on dioxide released in
the reaction is	1) 0.77	) o o===	1) 0 0
a) 3	b) 0.75	c) 0.075	d) 0.3
2.	6.6		
The equivalent	mass of ferrous oxalate	18	
(a) molar mass	of ferrous oxalate	(b) molar mass of	f ferrous oxalate
molar mass	of ferrous ovalate		2
(c) moral mass	of ferrous oxalate 3	(a) none of these	
3 What is the max	imum numbers of electr	ons that can be associa	ted with the following
set of quantum i	numbers ? $n = 3$ , $1 = 1$ and	nd m = -1	
a) 4	b) 6	c) 2	d) 10
4. The total number	er of orbitals associated	with the principal quan	ntum number $n = 3$ is
a) 9	b) 8	c) 5	d) 7
5 How many elect	rons in an atom with ato	omic number 105 can h	ave $(n + 1) = 8$ ?
a) 30	b) 17	c) 15	d) unpredictable
6. Which one of th	ne following is the least of	electronegative elemen	t?
a) Bromine	b) Chlorine	c) Iodine	d) Hydrogen
7. The element with	th positive electron gain	enthalpy is	•
a) Hydrogen	b) Sodium	c) Argon	d) Fluorine
	llowing is second most of		,
a) Chlorine	b) Fluorine	c) Oxygen	d) Sulphur
· · · · · · · · · · · · · · · · · · ·	llowing pairs of element		•
a) Be and Mg			d) Be and Al
10. Heavy water is		,	,
•	nuclear reactions	b) coolant in nuc	clear reactions
c) both (a) and		d) none of these	
, , ,	tygen atom is surrounde	,	
			ygen and 4 hydrogen atoms
•			edrally by 6 hydrogen atoms
·	soften hardness of water		
a) Sodium alum		•	luminium silicate
c) Zinc alumini		,	uminium hydride
c, zine aidiiiii	will outable	a, Limini ai	



27. Which one of the following binary liqui	d mixtures exhibits positive deviation from	
Raoults law?		
a) Acetone + chloroform b) Water + nit	tric acid c) HCl + water d) ethanol + water	
28. Shape of ClF <sub>3</sub> is		
a) Planar triangular b) Pyramidal	c) 'T' Shaped d) none of these	
29. According to VSEPR theory, the repuls	ion between different parts of electrons obey the	
order.		
a) $1.p - 1.p > b.p - b.p > 1.p - b.p$	b) b.p–b.p> b.p–l.p> l.p–b.p	
c) l.p–l.p> b.p–l.p > b.p–b.p	d) b.p-b.p> l.p-l.p> b.p-l.p	
30. Shape and hybridisation of IF <sub>5</sub> are		
a) Trigonal bipyramidal, Sp <sup>3</sup> d <sup>2</sup>	b) Trigonal bipyramidal, Sp <sup>3</sup> d	
c) Square pyramidal, Sp <sup>3</sup> d <sup>2</sup>	d) Octahedral, Sp <sup>3</sup> d <sup>2</sup>	
31. Ortho and para-nitro phenol can be sep	arated by	
a) azeotropic distillation	b) destructive distillation	
c) steam distillation	d) cannot be separated	
32. The purity of an organic compound is d	etermined by	
a) Chromatography b) Crystallisation c)	melting or boiling point d) both (a) and (c)	
33. The number of stereoisomers of $1, 2 - d$	lihydroxy cyclopentane	
a) 1 b)2 c)	3 d) 4	
34. Heterolytic fission of C-Br bond results	in the formation of	
(a) free radical (b) Carbanion (c) C	Carbocation (d) Carbanion and Carbocation	
35. Which of the following species is not el	ectrophilic in nature?	
(a) $Cl^+$ (b) $BH_3$ (c) $I$	$H_3O^+$ (d) $+NO_2$	
36I effect is shown by		
a) –Cl b) -Br c) t	both a and b d) -CH <sub>3</sub>	
37. Some meta-directing substituents in aro	matic substitution are given. Which one is most	
deactivating?		
a) $-$ COOH b) $-$ NO <sub>2</sub> c) $-$	$-C \equiv N$ d) $-SO_3H$	
38. 2 – butyne on chlorination gives		
a) 1 – chloro butane	b) 1, 2 – dichloro butane	
c) 1, 1, 2, 2 – tetrachlorobutane	d) 2, 2, 3, 3 – tetra chloro butane	
39. Which of the following can be used as	the halide component for friedal - crafts reaction 's	
a) Chloro benzene b) Bromo benzene	c) chloro ethane d) isopropyl chloride	
40. Chloroform reacts with nitric acid to pro	oduce	
a) nitro toluene b) nitro glycerine	c) chloropicrin d) chloropicric acid	
41. The most easily hydrolysed molecule	under SN1 condition is	
a) allyl chloride b) ethyl chloride	c) ispropylchloride d) benzyl chloride	
42. The name of $C_2F_4Cl_2$ is		
a) Freon – 112 b) Freon – 113	c) Freon – 114 d) Freon – 115	

43. Ozone depletion will cause
a) forest fires b) eutrophication c) bio magnification d) global warming
44. Release of oxides of nitrogen and hydrocarbons into the atmosphere by motor vehicles is
prevented by using
a) grit chamber b) scrubbers c) trickling filters d) catalytic convertors
45. Biochemical oxygen Demand value less than 5 ppm indicates a water sample to be
a) highly polluted b) poor in dissolved oxygen c) rich in dissolved oxygen d) low COD
46. Assertion: Oxygen molecule is paramagnetic
Reason: It has two unpaired electron in its bonding molecular orbital
a) both assertion and reason are true and reason is the correct explanation of assertion
b) both assertion and reason are true but reason is not the correct explanation of assertion
c) assertion is true but reason is false
d) Both assertion and reason are false
47. In an isothermal reversible compression of an ideal gas the sign of q, $\Delta S$ and w are
respectively
a) $+, -, -$ b) $-, +, -$ c) $+, -, +$ d) $-, -, +$
48. Assertion: Generally alkali and alkaline earth metals form superoxides
Reason: There is a single bond between O and O in superoxides.
a) both assertion and reason are true and reason is the correct explanation of assertion
b) both assertion and reason are true but reason is not the correct explanation of assertion
c) assertion is true but reason is false
d) both assertion and reason are false
49. In which process, fused sodium hydroxide is electrolysed for extraction of sodium?
a) Castner's process b) Cyanide process c) Down process d) All of these
50. Non-stoichiometric hydrides are formed by
a) palladium, vanadium b) carbon, nickel c) manganese, lithium d) nitrogen, chlorine
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