

Engineering Chemistry – D1- Quiz

Da	te: 16/10/2021 Time: 4.00 pm	Marks: 10
2	The energy of an isolated system remainsconsta Work done by a gas when it expands in vaccum is Ans: Free expansion (expansion in vacuum)	
w =	$=-\int_{v_{m{i}}}^{v_{m{f}}}P_{m{e}m{x}}\mathrm{dv}=0$	
3	The intercept at infinite T of ln k vs 1/T plot gives	A
4	The conditions which increase the rate constant of a read and decrease in	ction are increase in
ans	s: increase in T, DECREASE IN Ea	1111111
5	The interaction between catalyst surface and the reactant adsorption	is
6	Nitrite ion is a ligand (unidentate)	
7	Oxidation state of $[Co(H_2O)_4(OH)_2]$ is $(+2)$	
8	A d^7 metal ion gives octahedral complex of pink color w of the complex is[Co(H ₂ O) ₆] ²⁺	
9	The highest energy 'd' orbital resulted in elongation of to octahedral are	wo axial bonds of
10	CFSE (Δ o) is -1.2, magnetic moment is 3.87 BM. The number electrons in the 'd' orbital of the metal ion are (z	The August August 1

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