Class 11 Chemistry Annual Local 2019 MCQs

1.	Enthal <mark>A.</mark> C.	py of combustion can be determined Bomb calorimeter Coffee-cup calorimeter	by: B. D.	Copper calorimeter Glass calorimeter	
2.		Haber cycle is applied to determine: Lattice energy Hydration energy	B. D.	Bond energy Potential energy	
3.	What is added with S in order to balance the following equation? S \rightarrow H ₂ S				
	A.	2H ⁺ , 1e ⁻	В.	2H ⁺ , 3e	
	C.	2H ⁺ , 4e ⁻	D.	2H ⁺ , 2e ⁻	
4.	Which <mark>A.</mark> C.	of the following has highest number of 10g of NO 10g of N2O4	of mo B. D.	lecules in it? 10g of NO ₂ 10g of N ₂ O	
5.	(C₄H₁ơ A.	n)? 8	B.	ete combustion of one mole of Butane	
	C.	13	D.	4.5	
6.	Which A. <mark>C.</mark>	of the following orbital is of greater e 4d 4 <i>f</i>	nergy B. D.	? 6s 5p	
7.	When A. C.	fast neutrons are bombarded on nitro β -rays X -rays	gen a B. <mark>D.</mark>	atoms, what radiations are emitted? $\gamma - rays$ $\alpha - rays$	
8.	The C A. C.	- H bond length will be greater when sp ² dsp ³	the h <mark>B.</mark> D.	ybridization of carbon is: sp ³ sp	
9.	One a A. <mark>C.</mark>	tmosphere pressure is equal to: 101.325 <i>Pa</i> 101325 N/m²	B. D.	101.325 Bars 101325 Kpa	
10.	In whi A. C.	ch of the following pairs, both gases v H₂ & He CO & CO₂	vill dif <mark>B.</mark> D.	fuse at the same rate? N2 & CO O2 & SO2	
11.	Which A. C.	of the following requires least energy <i>Cl</i> ₂ <i>I</i> ₂	[,] for v B. <mark>D.</mark>	aporization? Br ₂ F ₂	

12.	Sodiι <mark>Α.</mark>	um chloride exists in cubic and octahedral forms. This phenomena is called: Polymorphism B. Allotropy				
	C.	Anisotropy	D.	Isomerism		
13.		A reaction will proceed in forward direction in order to attain equilibrium when $(Q = reaction quotient, K = equilibrium constant).$				
	<mark>A.</mark>	$Q < K_c$		$Q = K_c$		
	C.	$Q = \frac{1}{2} K_c$	D.	$Q > K_c$		
14.	pH of	pH of 0.001 M <i>NaOH</i> solution is:				
	Α.	10 ⁻³	<mark>B.</mark>	11		
	C.	10 ⁻¹¹	D.	3		
15.	Which of the following compounds will produce acidic solution on hydrolysis?					
	Α.	KNO3	В.	NaCl		
	<mark>C</mark> .	NH4NO3	D.	NaCN		

16. The units of rate constant and rate of reaction will be same when order of reaction is:

Α.	2	B. 3
<mark>C.</mark>	Zero	D. 1

- 17. Which of the following is **NOT** a pair of partially miscible liquids?
 - Aniline water Α.
- Nicotine water Β.

C. Benzene - water D. Phenol - water