

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Zero B. 1 C. 2 D. 1.5
2	The formula of calcium superphosphate is	A. CaHPO ₄ B. CaH ₂ PO ₄ C. Ca(H ₂ PO ₄) ₂ D. None of these
3	Write the name of following alkene CH ₂ = CH - CH = CH ₂	A. 1,3 butadiene B. Butra -1, 3-diene C. Both a & D. None
4	Angle 120° is observed in molecules :	A. CH ₄ B. CH ₃₋ CH ₃ C. CH-CH D. CH _{2 =} CH ₂
5	Gasoline is a mixture of hydrocarbons containing carbon atoms	A. 5 to 10 B. 5 to 8 C. 5 to 12 D. 5 to 11
6	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
7	Optical rotation method is sued when	A. Reaction involve ions B. Change of refractive indices C. Reactions involving change of optical activity D. None of the above
8	Which of the following statements is most appropriate about effective nuclear charge? It depends upon	A. The shielding constant B. The atomic number C. The charge on the nucleus D. Both the nuclear charge and the shielding constant
9	A complete chemical characterization of a compound must include	A. Qualitative analysis B. Chemical analysis C. Quantitative analysis D. Both a and c
10	Cotton has cellulose in it:	A. 96% B. 97% C. 98% D. 99%
11	Formic Acid is obtained from Red out by:	A. Distillation B. Crystallization C. Filtration D. sublimation
12	Which of the following nitrogen fertilizer contains more nitrogen	A. NaNO ₃ B. KNO ₃ C. NH ₄ NO ₃ D. Urea
13	The chloroform reacts with NaOH to give	A. CH ₃ COONa B. Sodium oxalate C. CH ₃ OH D. HCOONa
14	1.12 dm ³ of N ₂ gas at S.T.P. has mass of N ₂ gas	A. 2.8 g B. 2.4 g C. 1.4 g D. 14 g

15	The wave number of the line emitted is $109.678 \times 10^5 \text{m}^{-1}$ in the Lyman series when electron transition occurs	ı
16	The unit of rate constant k is the same as that of the rate of reaction in	A. First order reaction B. Second order reaction C. Third order reaction D. Zero order reaction
17	Which of the following species has unpaired electrons in ant-bonding molecular orbitals?	A. O2 ⁺² <o:p></o:p> B. N2 ⁻² <o:p></o:p> C. B ₂ <o:p></o:p> D. F ₂ <o:p></o:p>
18	Electrons arranged in orbitals according to the increasing order of their n + I values, this rule is named as	A. Hund's ruleB. Heisenberg's principleC. Paulit exclusion principleD. Auf bau principle
19	The electrode through which the electrons enter the electrolytic solution is electrolytic solution is	A. Anode B. Cathode C. May be anode or cathode D. None of these
20	The lanthanides contraction is responsible for the fact that	A. Zr and Y have about the same radius B. Zr and Nb have similar oxidsation state C. Zr and Hf have about the same radius D. Zr and Zn have the same oxidation satete