

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following molecules have its central atom sp <sup>2</sup> hybridized	A. CH <sub>4</sub> B. C <sub>2</sub> H <sub>2</sub> C. C <sub>2</sub> H <sub>4</sub> D. CCI <sub>4</sub>
2	Sulphur dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
3	A nucleoside may be	A. Ribonuleoside B. Deoxyribonucleoside C. Both a and b D. None
4	Propyne on hydrolysis in presence of H <sub>2</sub> SO <sub>4</sub> and HgSO <sub>4</sub> gives	A. Acetaldehyde B. Acetone C. Formaldehyde D. None
5	Which of the following waste material is not recycled for use again	A. Paper B. Plastic C. Hides of animals D. Glass
6	The number of spherical nodes in 3p orbitals are	A. One B. Three C. Non D. Two
7	Alkyle magnesium halides are known as	A. Simon-smith reagent B. Tollen's reagent C. Grignard's reagent D. Barford's reagent
8	Butyric acid was named from butyrum means:	A. Red out B. Vinegar C. Butter D. Milk
9	Alkyl halides react with lithium dialkyl copper reagents to give	A. Alkenes B. Alkyl copper halides C. Alkanes D. Alkenyl halides
10	An electrochemical cell is based upon	A. Acid-base reaction     B. Redox reaction     C. Nuclear reaction     D. None of the above
11	Molecular orbitals are filled with the available electrons according to:	<ul><li>A. Hund's of rule.</li><li>B. Pauli's exclusion principle.</li><li>C. Aufbau principle.</li><li>D. All of above.</li></ul>
12	Which is not true with respect to cathode rays?	A. A stream of electrons     B. Charged particles     C. Move with speed as that of light     D. Can be deflected by magnetic fields
13	An organic acdi having molecular formula $C_2H_4O_2$ is	A. Formic acid B. Acetic acid C. Oxalic acid D. Propionic acid
14	Ozone is not	A. An allotrope B. A powerful oxidizing agent C. Paramagnetic D. A bent molecule
15	Which of the following enzymes brings about the hydrolysis of fats?	A. Urease B. Maltase C. Zymase

		D. Lypase
16	Electrochemical series is a list of element S arranged into the increasing order of their	A. Standard oxidation potential     B. Standard reduction potential     C. Cell voltage     D. lonization potential
17	Boiling point of n-butane is:	A102 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">°C</span> B75 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">°C</span> C55 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">°C</span> D. 55 <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px,">°C</span>
18	50 cm $^3$ of 0.05 molar nrea (N $_2$ H $_4$ CO) solution has % W/N concentration	A. 6% B. 3% C. 0.3 % D. 0.6 %
19	The open chain compounds are also called	A. Aliphatic B. Alicylic C. Aromatic D. Both a and b
20	Strong oxidizing agents have	A. Greater positive value of standard reduction potential B. Lesser positive value of standard C. Greater negative value of standard D. None of these