

## ECAT Chemistry Online Test

0	0 5	A 01 :
Sr	Questions	Answers Choice
1	Choose the correct answer of transition elements?	A. Transition elements have low melting points B. Transition elements do not have catalytic activity C. Transition elements exhibit variable oxidation states D. Transition elements exhibit inert pair effect
2	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> and C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> are:	A. Mono-atomic molecules B. Diatomic molecules C. Poly-atomic molecules D. <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">Heter</span> o atomic molecules<0:p>
3	Linear shape is associated with which set of hybrid orbitals	A. sp B. sp <sup>2</sup> C. sp <sup>3</sup> D. dsp <sup>2</sup>
4	Bessemer converter is used in the manufacture of	A. Pig iron B. Steel C. Wrought iron D. Cast iron
5	The method involved for electrolysis of Na or K salts of carboxylic acids	A. Sabatier's sendrens reaction     B. Kolbe's method     C. Clemmensen     D. Wolf kishner reduction
6	Coal is used to bake bricks in lime kiln:	A. 40% B. 60% C. 80% D. None of these
7	As compared to molar solution, in the molal solution the quantity of solvent is :	<ul><li>A. Comparatively lesser</li><li>B. More or less equal</li><li>C. Comparatively greater</li><li>D. Very large</li></ul>
8	A molecular ion is formed by	A. Passing a high energy electron beam through gaseous molecule     B. Dissolving a salt i dilute acid     C. Passing electric current through molten salt     D. Passing electricity through aqueous solutions
9	Which of the following yield both hydrogen and chlorine on electrolysis:	A. Electrolysis of acidified water.     B. Electrolysis of molten NaCl     C. Electrolysis of aqueous NaCl     D. Electrolysis of saline water
10	Which of the following pairs are chemically dissimilar?	A. Na and K B. Ba and Sr C. Zr and Hf D. Ca and Zn
11	Marble is chemically	A. CaCl <sub>2</sub> B. CaCO <sub>3</sub> C. Na <sub>2</sub> CO <sub>3</sub> D. NaHCO <sub>3</sub>
12	Phosphorus helps the growth of	A. Root B. Leave C. Stem

		D. Seed
	Gasoline is a mixture of hydrocarbons containing carbon atoms	A. 5 to 10 B. 5 to 8
13		C. 5 to 12
		D. 5 to 11
		D. 3 to 11
	Which of the following fertilizers is useful for paddy rice	A. Ammonium nitrate
14		B. Ammonium sulphate
17		C. Urea
		D. Ammonium chloride
	The protein which only yield amino acids and their derivatives	A. Simple proteins
4-		B. Complex proteins
15		C. Derived protein
		D. All of these
	The degenerate orbitals p-sub shell are	A. 2
16		B. 3
10		C. 5
		D. 7
	Aniline reacts with which of these to form Schiff base?	A. Acetic acid
		B. Bezaldehyde
17		C. Acetone
		D. NH <sub>3</sub>
	The alkali metal which is liquid at 15°C is	A. K
		B. Cs
18		C. Na
		D. None
	From 39Y to 48Cd are called	A. Transition elements
19		B. Outer transition elements
ıΒ		C. Inner transition elements
		D. 2nd transition series
		A. NaCl
		B. KCI
00		B. NCI
20	Which salt is used for the treatment of hyperacidity in stomach	C. NaHCO <sub>3</sub>