

## ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which one of the followings is a heterocyclic compound	A. Cyclohexanol B. Phenol C. Pyridine D. Anthracene
2	Pick out the wrong statement. In electrochemical cell	A. Electrons are released at anode B. Cathode is regarded as negative electrode C. Chemical energy is converted into electrical energy D. Salt bridge maintains the electrical neutrality of the solution
3	Who one mole of each of the following is completely burned in oxygen, which gives the largest mass of carbon dioxide?	A. Carbon monoxide B. Diamond C. Ethane D. Methane
4	What mass of NaOH is required to prepare 2.5 dm <sup>3</sup> of 1.5 M NaOH solution	A. 130 g B. 140 g C. 150 g D. 160 g
5	The formula of esters is	
6	The percentage of nitrogen in ammonia is	A. 80% B. 82% C. 90% D. 50%
7	In the earth crust sodium is	A. 2.50% B. 2.30% C. 2.40% D. 3.50%
8	Question Image	A. With H <sub>2</sub> /Ni CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> OH B. With H <sub>2</sub> /Ni CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> C. With NaBH <sub>4</sub> C. With NaBH <sub>4</sub> CH <sub>3</sub> (CH <sub>2</sub> OH D. With NaBH <sub>4</sub> CH <sub>5</sub> CH <sub>2</sub> OH D. With NaBH <sub>4</sub> CH <sub>5</sub> CH <sub>2</sub> OH D. With NaBH <sub>4</sub> CH <sub>3</sub> CH <sub>2</sub> CH <sub>5</sub> CH <sub>2</sub> CH <sub>3</sub> CH <sub>2</sub> CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> CH <sub>2</sub> CH <sub 2<="" sub="">CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub 2<="" sub="">CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub></sub></sub>
9	The order of distance between the various Bohr orbits is	A. r <sub>2</sub> - r <sub>1</sub> > r <sub>3</sub> - r <sub>2</sub> > r <sub>4</sub> - r <sub>3</sub> > r <sub>4</sub> - r <sub>3</sub> >  B. r <sub>1</sub> > r <sub>2</sub> - r <sub>3</sub> > r <sub>2</sub> - r <sub>3</sub> > r <sub>4</sub> - r <sub>3</sub> > C. r <sub>2</sub> - r <sub>3</sub> - kgt; D. r <sub>2</sub> - r <sub>3</sub> - kgt; r <sub>3</sub> - r <sub>3</sub> - kgt; r <sub>3</sub> - kgt; r <sub>3</sub> - r <sub>3</sub> - kgt; r <sub>3</sub> - r <sub>3</sub> - kgt; r <sub>4</sub>
10	Reduction or oxidation potential of standard hydrogen electrode is :	A. 0.0 Volt B. 0.8Volt C. 1.0Volt D. 1.8Volt
11	The substance which contains the water of crystallization is called	A. Hydrated B. Solvated C. Crystal D. None
		A. 80

12	Formaline Contains% alcohol	B. 37 C. 8 D. 52
13	Schrodinger wave equation describes electron completely because	A. It describes a set of four quantum number B. It describes the particle nature of electron C. It measures wavelength of electron D. It describes electron moving in specific orbit
14	Which of the following with aqueous KOH will give acetaldehyde?	A. 1, 2-Dichloroethane B. 1,1-Dichloroethane C. Chloracetic acid D. Ethyl chloride
15	Identification of a substance, determination of its structure and quantitative analysis of its composition are the aspects covered by	A. Modern analytical physics     B. Mechanical chemistry     C. Biochemistry     D. Modern analytical chemistry
16	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
17	The optimum conditions of temperature and pressure to get maximum NH3form N2and H2gases is	A. 2000°C and 10 atmosphere B. 0°C and 1 atmosphere C. 400°C and 200-300 atmosphere D. 200°C and 100 atmosphere
18	Grignard reagent is prepared by the reaction of magnesium metal with alkyl halide in the presence of	A. Alcohol B. Water C. Suephuric acid D. Dry ether
19	Which bond shows maximum hydrogen bonding with water?	A. CH <sub>3</sub> OH B. C <sub>2</sub> H <sub>5</sub> OH C. CH <sub>3</sub> O CH <sub>3</sub> D. C <sub>6</sub> H <sub>5</sub> OH
20	By simply reacting Grignand's reagent with water we get	A. An alkane B. Higher alkane C. An alkene D. An alkyne