

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the statement is contrary to the first law of thermodynamics	A. Energy can neither be created nor destroyed B. One form of energy can be transferred into an equivalent amount of other kinds of energy C. In an adiabatic process the work done is independent of its path D. Continuous production of mechanical work without supplying an equivalent amount of heat is possible
2	Which of the following statements is not true?	A. Isotopes with even atomic masses are comparatively abundant B. Isotopes with even atomic masses are comparatively abundant C. Isotopes with even atomic masses and even atomic numbers are comparatively abundant D. Isotopes with even atomic masses and odd atomic number are comparatively abundant
3	Products of coal is:	A. Peat B. Lignite C. Bituminous coal D. All above
4	Which structure shows a primary alcohol	
5	The wave number of the line emitted is 109.678 x $10^5 \mathrm{m}^{-1}$ in the Lyman series when electron transition occurs	
6	Identification of a substance, determination of its structure an quantitative analysis of its composition are the aspects covered by:	A. Modern analytical physics. B. Mechanical chemistry. C. Biochemistry. D. Modern analytical chemistry.
7	Question Image	A. With H ₂ /Ni CH ₃ (CH ₂) ₅ CH ₂ OH B. With H ₂ /Ni CH ₃ (CH ₂ OH B. With H ₂ /Ni CH ₃ (CH ₂) ₅ CH ₂ C. With NaBH ₄ CH ₃ CH ₂ OH Sub>5CH ₂ OH D. With NaBH ₄ CH ₅ OH D. With NaBH ₄ CH ₅ OH D. With NaBH ₄ CH ₃ CH ₅ OH D. With NaBH ₄ CH ₅ OH CH ₅ CH ₂) ₅ CH _{CH₂)}
8	Which of the following is a polyamide?	A. Nylon B. Orlon C. Teflon D. Terylene
9	Acid rain is caused when various atmospheric gases dissolve in rain water. What are the gases that cause rain water	A. SO ₂ B. NO ₂ C. CO D. A and b only
10	Which one of the following enzymes brings about the hydrolysis of fats	A. Urease B. Maltase C. Zymase D. Lypase
11	Biodegradable pollutant is	A. Plastic B. Asbestos C. Sewage D. Mercury
12	Burning of fossil fuels is the main source of pollution	A. Nitrogen oxide B. Nitric oxide C. Nitrous oxide D. Sulphur dioxide

13	Which one of the following in mainly responsible for depletion of ozone layer?	A. Methane B. Carbon dioxide C. Water D. chloroflurocarbons
14	Alcohols reacts with Grignard reagent to form	A. Alkanes B. Alkenes C. Alkynes D. All
15	Neutrons was discovered by	A. Mosely B. Milliken C. Chadwick D. Ruherford
16	Use of ethanol as:	A. Drink B. Solvent and fuel C. In beverage D. All of these
17	6-d series is in the period :	A. 4th B. 5th C. 6th D. 7th
18	Carboxylic acid can generally be prepared by various methods. Which of the following methods is not suitable for making carboxylic acids	A. By the oxidation of primary alcohols B. By the hydrolysis of nitriles C. By the carbonation of Grignard, reagent D. By the hydrolysis of p-amines
19	Which one of the following step is not involved in determination of empirical formula	A. Determination % of each element B. Determination of gram atom of each element C. Determination of isotopes of each element D. Determination of atomic ratio of element
20	Which of the following is not a state function	A. Pressure B. Temperature C. Enthalpy D. Amount of substance