

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Potable water is considered to be	A. Safe for human consumption B. Not safe for human consumption C. The surface water D. The ground water
2	Value of chemical oxygen demand (COD) is a measure of chemically oxidizable matter in water. Which value of COD will indicate more polluted water	A. Low value B. Higher value C. Both values D. None of these
3	Exposure to CO results in	A. Headache B. Fatigue C. Unconsciousness D. All of these
4	Which gas is not a constituent of atmosphere	A. Xe B. O_3 C. H_2 D. F_2
5	Surface and ground water sources are contaminated by various human activities. Which of the followings is not a human activity that causes contamination in fresh water	A. Live stock waste B. Oil leaks and spills C. Disposal of industrial effluents D. Rain
6	CFCs destroy ozone layer. How many ozone molecule a chlorine free radical can destroy	A. 10,000 B. 20,000 C. 100,000 D. 50,000
7	Which is not the affect of polluted air on environment	A. Acid rain B. Smog C. Ozone D. Global warming
8	Which one of the following is not air pollutant gas	A. CO B. CO_2 C. NO D. SO_2
9	Which factor is helping to reduce the environmental pollution	A. Rapid growth of population B. Urbanization C. Industrialization D. Increase of plantation
10	A pollutant affects	A. Human health B. Quality of life C. Functioning of ecosystem D. All of these
11	The 95.5% mass of Lithosphere is made of 11 elements i.e. O_2 , Si, Al, Fe, Ca, Na, K, Mg, Ti, H_2 and P. which element is present in trace amount	A. Iodine B. Bromine C. Lead D. Carbon
12	The region of earth capable of supporting life is	A. Hydrosphere B. Lithosphere C. Biosphere D. Atmosphere
13	Oceans cover _____ percent of the surface of the earth	A. 60 B. 70 C. 80 D. 97
14	The % of CO_2 in the atmosphere is	A. 3.0% B. 0.03% C. 0.3% D. 0.5%
15	Which is not a component of environment	A. Biosphere B. Lithosphere C. Hydrosphere D. None of these

16	What is the most common catalyst used in hydrogenation of oils	A. Cobalt B. Nickel C. Tungsten D. Copper
17	β -D-glucose is a monomer for	A. Strach B. Cellulose C. Glycogen D. Protein
18	Monosaccharides belong to the group	A. Lipids B. Fats C. Proteins D. Carbohydrates
19	Which one of the following is a water soluble vitamin	A. D B. K C. A D. Ascorbic acid (Vic C)
20	Vegetable oils are	A. Unsaturated fatty acids B. Glycerides of unsaturated fatty acids C. Glycerides of saturated fatty acids D. Essential oils obtained from plants
21	The fibre which is made form acrylonitrile as monomer	A. PVC B. Rayon fibre C. Acrylic fibre D. Polyester fibre
22	Plastics are a pollution problem because many plastics	A. Are made from petroleum B. Are very inflammable C. Burn to produce toxic fumes D. Decompose to produce toxic products
23	Purines include	A. Adenine B. Guanine C. Both a and b D. None
24	Which of these polymers is an addition polymer	A. Nylon 6,6 B. Polystyrene C. Terylene D. Epoxy resin
25	Enzymes are chemically	A. Carbohydrates B. Proteins C. Fatty acids D. Phospholipids
26	Which is not an enzyme	A. Transverses B. Lipase C. Lyase D. None of these
27	$(\text{CH}_2\text{O})_n$ is general formula for	A. Monosaccharides B. Oligosaccharides C. Polysaccharides D. None of these
28	Which of the following is the repeating monomeric unit in cellulose	A. Sucrose B. Maltose C. Cellobiose D. Glucose
29	Monosaccharides are	A. Aldoses B. Ketoses C. Either a and b D. None of these
30	Substances that render enzymes catalytically inactive are called	A. Conenzymes B. Substrates C. Inhibitors D. Apoezymes