

ECAT Chemistry Chapter 27 Environmental Chemistry

Sr	Questions	Answers Choice
1	Swage water is purified by	A. Microorganisms B. Light C. Fishes D. Aquatic plants
2	Minamata disease is due to pollution of	A. Organic waste into drinking water B. Oil spill in water C. Industrial waste containing mercury into fishing water D. Arsenic into the atmosphere
3	Chromium (VI) is highly toxic and can cause	A. Blindness B. Cancer C. Liver problems D. Blood problems
4	In water the most important oxidizing agent is dissolved molecular oxygen which ranges from	A. 2 - 4 ppm B. 4 - 6 ppm C. 2 - 5 ppm D. 4 - 8 ppm
5	Shahi Qilla may be destroyed by	A. Flood in Ravi B. Temperature mediated spoilage of marble C. Air pollutants from Lahore chemical industries D. All the above
6	Pollutant of automobile exhausts that affects nervous system/produces mental diseases is	A. Mercury B. Lead C. Nitrogen oxide D. Sulphuric oxide
7	Carbon monoxide, emitted by automobiles, prevents transport of oxygen in body due	A. Combining with oxygen to form carbon dioxide B. Destruction of hemoglobin C. Preventing reaction between oxygen and hemoglobin D. Forming stable compound with hemoglobin
8	When rain is accompanied by a thunderstorm, the collected rain water will have a pH value	A. Uninfluenced by occurrence of thuderstorm B. Which depends on the amount of dust in air C. Slightly lower than that of rain water without thunderstorm D. Slightly higher than that when the thunderstom is not there
9	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
10	Which factor is helping to reduce the environmental pollution	A. Rapid growth of population B. Urbanization C. Industrialization D. Increase of plantation
11	To purify water which has mud dissolved in it, A substance which coagulates the suspended particles is used. The coagulant may be	A. Ag ⁺ B. Cu ²⁺ C. Al ³⁺ D. Si ⁴⁺
12	Fungicides are the pesticides which	A. Control the growth of fungus B. Kill insects C. Kill plants D. Kill herbs
13	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

14	NO and NO ₂ gases in atmosphere are represented by	<p>A. NO</p> <p>B. NO₄</p> <p>C. NO_x</p> <p>D. N_xO_y</p>
15	Acid rains are produced by	<p>A. Excess NO₂ and SO₂ from burning fossil fuels</p> <p>B. Excess production of NH₃ by industry and coal gas</p> <p>C. Excess release of carbon monoxide by incomplete combustion</p> <p>D. Excess formation of CO₂ by combustion and animal respiration</p>
16	A pollutant affects	<p>A. Human health</p> <p>B. Quality of life</p> <p>C. Functioning of ecosystem</p> <p>D. All of these</p>
17	Eutrophication causes reduction in	<p>A. Dissolved hydrogen</p> <p>B. Dissolved oxygen</p> <p>C. Dissolved salts</p> <p>D. All the above</p>
18	Water pollution is mainly due to	<p>A. Sulphure dioxide</p> <p>B. Carbon dioxide</p> <p>C. Oxygen</p> <p>D. Industrial discharges</p>
19	Acid rain is caused when various atmospheric gases dissolve in rain water. What are the gases that cause rain water	<p>A. SO₂</p> <p>B. NO₂</p> <p>C. CO</p> <p>D. A and b only</p>
20	Value of chemical oxygen demand (COD) is a measure of chemically oxidizable matter in water. Which value of COD will indicate more polluted water	<p>A. Low value</p> <p>B. Higher value</p> <p>C. Both values</p> <p>D. None of these</p>