

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	Ammonium nitrate fertilizer is not used for which crop	A. Cotton B. Wheat C. Sugar cane D. Paddy rice
2	How many zones through which the charge passes in a rotary kiln	A. 4 B. 3 C. 2 D. 5
3	Which is not a calcareous material	A. Lime B. Clay C. Marble D. Marine shell
4	The word paper is derived from the name of which reedy plant	A. Rose B. Sun flower C. Papyrus D. Water hyacinth
5	During the manufacturing process of cement the temperature of the decomposition zone goes up to	A. 600°C B. 800°C C. 1000°C D. 1200°C
6	Micro-nutrients are required in quantity ranging from	A. 4g-40g B. 6g-200g C. 6Kg-200Kg D. 4Kg-40Kg
7	Phosphorus helps the growth of	A. Root B. Leave C. Stem D. Seed
8	The nitrogen present in some fertilizers helps plants	A. To fight against disease B. To produce fat C. To undergo photosynthesis D. To produce protein
9	Which woody raw material is used of the manufacture of paper pulp	A. Cotton B. Bagasse C. Poplar D. Rice straw
10	Which three elements are needed for the healthy growth of plants	A. N, S, P B. N, Ca, P C. N, P, K D. N, K, C
11	The number of paper industries in Pakistan are	A. 30 B. 25 C. 35 D. 20
12	At present the number of cement factories in Pakistan are	A. 20 B. 22 C. 25 D. 30
13	At present the number of fertilizers plants in Pakistan are	A. 10 B. 12 C. 14 D. 20
14	Which one is a nitrogen fertilizer	A. Urea B. Calcium sulphate C. Potassium phosphate D. Magnesium carbonate
15	What element is not essential for the growth of plants and is not required in the fertilizers	A. Nitrogen B. Potassium C. Phosphorus D. Barium

16	When hydrogen cyanide is added to an Aldehyde in the presence of ammonia it is called	<p>A. Strecker synthesis</p> <p>B. Cory house synthesis</p> <p>C. Williamson;s synthesis</p> <p>D. None of these</p>
17	Question Image	<p>A. It decolourises aqueous bromine rapidly</p> <p>B. It is insoluble in water</p> <p>C. It reduces Fehling's reagent</p> <p>D. Two molecules react with each other in the presence of a strong acid</p>
18	What is the structure of the ester formed from propanoic acid and ethanol	
19	Question Image	
20	Zwitter ion is _____ ion an amino acid	<p>A. Polar</p> <p>B. Monopolar</p> <p>C. Dipolar</p> <p>D. Non polar</p>
21	Question Image	<p>A. Ethanol in the presence of concentrated sulphuric acid</p> <p>B. Potassium hydroxide</p> <p>C. Sodium</p> <p>D. Sodium carbonate</p>
22	Question Image	<p>A. Elimination Esterification</p> <p>B. Elimination Isomerisation</p> <p>C. Oxidation Esterification</p> <p>D. Oxidation Oxidation</p>
23	Question Image	<p>A. di(4-bormophenyl) method</p> <p>B. Methanol</p> <p>C. Propan-1-ol</p> <p>D. Propan-2-ol</p>
24	Question Image	
25	Which compound is both chiral and acidic	
26	Question Image	<p>A. Acidified $\text{AgNO}_3(\text{aq})$</p> <p>B. Fehling's solution</p> <p>C. Na</p> <p>D. $\text{Na}_2\text{XO}_3(\text{aq})$</p>
27	A compound X has all of the following properties: It is a liquid at room temperature and atmospheric pressure; It does not mix completely with water; It does not decolorise acidified potassium manganate What could X be	<p>A. Ethane</p> <p>B. Ethanoic acid</p> <p>C. Ethanol</p> <p>D. Ethyl ethanoate</p>
28	Question Image	<p>A. $\text{RCH}(\text{CH}_3)\text{CO}_2\text{H} + \text{CH}_3\text{OH}$</p> <p>B. $\text{RCH}(\text{CH}_3)\text{CO}_2\text{H} + \text{HCO}_2\text{H}$</p> <p>C. $\text{RCH}(\text{CH}_3)\text{OH} + \text{CO}_2\text{H}$</p> <p>D. $\text{RCH}(\text{CH}_3)\text{OH} + \text{HCO}_2\text{H}$</p>
29	Question Image	<p>A. Step 1 Step 2<div>HCl HCN</div></p> <p>B. $\text{HCN}, \text{NaCH}_2\text{SO}_4$</p> <p>C. H_2SO_4</p> <p>K₂Cr₂O₇/H₂SO₄</p> <p>D. KCN HCl</p>
30	Glutamic acid, aspartic acid are _____ amino acid	<p>A. Acidic</p> <p>B. Basic</p> <p>C. Neutral</p> <p>D. None of these</p>