

## ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The oxyacids of phosphorus in which phosphorus has the lowest oxidation state is	A. Hypophosphorus acid B. Orthophosphorus acid C. Pyrophosphorus acid D. Metaphosphorus acid
2	There were seven groups in periodic table proposed by:	A. Al-Razi B. Dobrierner C. Newland D. Mendeleev
3	Which of the following phenomena will occur when two atoms of the elements having same spin of electron approach for bonding?	A. Orbital overlap will not occur B. Bonding will not occur C. Both (A) and (B) are correct D. None of the above are correct
4	The relative abundance of the ions with a definite m/e value is measured by	A. High pressure of vapours B. Strength of electric current measured C. Quantity of fast moving electrons D. Electron gas
5	Which of the following is not related to transition metals	A. They have a high tensile strength B. They are ductile C. They are malleable D. They have low melting points
6	Which woody raw material is used of the manufacture of paper pulp	A. Cotton B. Bagasse C. Poplar D. Rice straw
7	A buffer solution of 0.1 molar HCOOH and 0.1 molar HCCONa has pH = 3.78 To is 0.01 molar HCl is added, then pH of the buffer solution becomes	A. 2.78 B. 4.78 C. 3.78 D. 3.70
8	Chlorin heptoxide reacts with water to form:	A. Hypochlorous acid B. Chloric acid C. Perchloric acid D. Chlorine and oxygen
9	How much of NaOH is required to neutralize 1500 cm <sup>3</sup> of 0.1 N HCl?	A. 60 g B. 6 g C. 4 g D. 40 g
10	Potassium chromate has formula	A. KClO <sub>3</sub> B. K <sub>2</sub> CO <sub>3</sub> C. K <sub>2</sub> CrO <sub>4</sub> D. K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>
11	Question Image	A. Electrophilic addition B. Electrophilic substitution C. Free radical substitution D. Nuclophilic addition
12	How many moles of oxygen, O <sub>2</sub> are needed for the complete combustion of two moles of butane C <sub>4</sub> H <sub>10</sub> ?	A. 2 B. 8 C. 10 D. 13
13	Grignad reagent is reactive due to	A. The presence of halogen atom B. The presence of Mg atom C. The polarity of C - Mg bond D. None of above
14	For a given process, the heat change at constant pressure (p) and constant volume (v) are related to each other as	
15	Question Image	A. Shift reaction toward forward direction B. Shift reaction backward C. Lower the value of K <sub>c</sub> D. No change in reaction

16	The steroids of fungi and yeast are called:	A. Vitamin D B. Vitamin D <sub>2</sub> C. Ergosterol D. Cholesterol
17	HCOOH reacts with conc. H <sub>2</sub> SO <sub>4</sub> to produce	A. CO B. CO <sub>2</sub> C. NO D. NO <sub>2</sub>
18	SO <sub>2</sub> and NO <sub>2</sub> produce pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
19	Which of the following acts as ligand	A. NH <sub>3</sub> B. NH <sub>2</sub> <sup>-</sup> CH <sub>2</sub> <sup>-</sup> CH <sub>2</sub> <sup>-</sup> NH <sub>2</sub> C. C <sub>2</sub> O <sup>2-</sup> D. All these
20	At constant temperature when pressure of a gas is plotted against volume, the curve is	A. Slanting straight line B. Parabolic C. Straight line, parallel to pressure axis D. Of neither type