

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	pK _b value of NH ₄ OH is 4.74. If the concentration of NH ₄ OH is 1 molar containing 0.1 molar NH ₄ Cl, then pH of this buffer will be	A. 3.74 B. 10.26 C. 4.74 D. 9.26
2	The valence orbital configuration of an element with atomic number 23 is	A. 3d ⁵ B. 3d ³ , 4s ² C. 3d ³ , 4s ¹ , 4p ¹ D. 3d ² , 4s ² , 4p ¹
3	Group VI-A elements are called:	A. Halogens B. Electron deficient C. alkaline earth metal D. Chalcogens
4	Monosaccharides and oligosacchradies are generally called as	A. Crystals B. Sugars C. Liquids D. Non-sugars
5	A pseudo uni-molecular reaction has order of reaction :	A. 3 B. 2 C. 1 D. 0
6	A reaction will also be called a spontaneous if :	A. It does no need energy to start with. B. It needs energy to carry the whole process. C. It needs energy at the end of reaction. D. It needs energy to stat with.
7	Naturally occurring lipids are called	A. Fats B. protein C. Steroids D. None
8	Which of the following is acidic?	A. SO ₃ B. N ₂ O C. BeO D. HgO
9	Which of the following is obtained when Fe reacts with dil. HNO ₃ ?	A. N ₂ O B. NO C. NO ₂ D. None of these
10	The degree of polarity of molecule is known as its	A. Dipole moment B. Moment arm C. Bond energy D. Ionic character
11	Which of the following has greatest tendency to lose electron?	A. F B. Fr C. S D. Be
12	Corrosion proof parts of machinery are prepared from	A. Iron B. Copper C. Plastic D. Teflon
13	Prevention of corrosion of iron by Zn coating is called	A. Galvanization B. Cathodic protection C. Electrolysis D. Photoelectrolysis
14	The intermolecular forces in liquids are	A. Negligible B. Very weak C. Very strong D. Reasonably strong
15	On passing HCl gas through a saturated solution of commercial sodium chloride, pure crystals of NaCl are precipitated due to	A. Increase in pH of the solution B. Decrease in pH of the solution C. Common ion effect

D. Increase in ionization of NaCl

16 Balmer's series is in _____ region

- A. Visible
- B. UV
- C. I. R.
- D. None

17 Boric acid cannot be used:

- A. An antiseptic in medicine
- B. For washing eyes
- C. In soda bottles
- D. For enamels and glazes

18 In the presence of Aluminium ethoxide, aldehydes get converted into esters. The reaction is known as

- A. Schmidt reaction
- B. Aldol condensation
- C. Beckmann's rearrangement reaction
- D. Tischenko reaction

19 Which of these polymers is a synthetic polymer?

- A. Animal fat
- B. Starch
- C. Cellulose
- D. Polyester

20 Ozone hole refers to

- A. Hole in ozone layers
- B. Reduction in thickness of ozone layer in stratosphere
- C. Reduction of thickness of ozone in troposphere
- D. Increase concentration of ozone