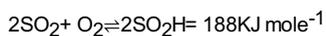


ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Calcium carbonate contains oxygen in it	<p>A. 48%</p> <p>B. 50%</p> <p>C. 53%</p> <p>D. 60%</p>
2	Industrial alcohol may be denaturated by the addition of	<p>A. Methyl alcohol</p> <p>B. Acetone</p> <p>C. Pyridine</p> <p>D. Any of the above reagent</p>
3	The solid remained on filter paper during the filtration is called the :	<p>A. Substance.</p> <p>B. Residue.</p> <p>C. Undue.</p> <p>D. Filtrate.</p>
4	Number of molecules in one dm ³ of water is close to :	<p>A. $6.02/22.4 \times 10^{23}$</p> <p>B. $12.04/22.4 \times 10^{23}$</p> <p>C. $18/22.4 \times 10^{23}$</p> <p>D. 55.6×10^{23}</p>
5	Alkyl halides are considered to be very reactive compounds towards nucleophiles because	<p>A. They have an electrophilic carbon</p> <p>B. They have an electrophilic carbon and a good leaving group</p> <p>C. They have an electrophilic carbon and a bad leaving group</p> <p>D. They have a nucleophilic carbon and a good leaving group</p>
6	Dow's process is used for the preparation of	<p>A. Ester</p> <p>B. Ethers</p> <p>C. Alcohols</p> <p>D. Phenols</p>
7	Orbital having same energy is called:	<p>A. Hybrid orbital.</p> <p>B. Valence orbital.</p> <p>C. Degenerate orbital.</p> <p>D. D-orbital.</p>
8	S-block elements consist of	<p>A. Alkali metals</p> <p>B. Alkaline earth metals</p> <p>C. Alkali and alkaline earth metals</p> <p>D. None of these</p>

9



Which statement about following equilibrium is correct :

size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">The value of K falls with the increase pressure.

D. Adding V_2O_5 catalyst increase the equilibrium yield of Sulphur trioxide.

10 Charge on electron was discovered by:

- A. Millikan.
- B. Crook.
- C. Neil Bohr.
- D. Rutherford.

11 Activation energy is the difference of energy between the energy of the reactant and

- A. The product
- B. The activated complex
- C. Both a and b
- D. None of these

12 Saturated solution of a solid is prepared at a constant temperature. 100 cm^3 of this saturated solution is evaporated in a china dish. The mass of the residue is called

- A. Azeotropic mixture
- B. Solubility
- C. Solubility product
- D. Equilibrium constant

13 Value of rate constant k is specific for a reaction, and varies from reaction to reaction. The value of k of a reaction changes with

- A. Time
- B. Temperature
- C. Concentration of reactants
- D. Order of reaction

14 The temp. and pressure used for PVC polymerization is

- A. 10°C and 10 atm
- B. 20°C and 20 atm
- C. 52°C and 9 atm
- D. 100°C and 10 atm

15 Swage water is purified by

- A. Microorganisms
- B. Light
- C. Fishes
- D. Aquatic plants

16 Which of the following cannot be produced by acidic dehydration of alcohols?

- A. Ethers
- B. Aldehyde
- C. Alkyl Hydrogen sulphate
- D. Alkene

17 Silver mirror test is applied for

- A. Aldehydes
- B. Alcohols
- C. Acids
- D. Esters

18 The valence shell of hydrogen is half filled like those of

- A. IV - A
- B. VIA
- C. V - A
- D. VIIA

19 Grignard's reagent on treatment with chloramine give

- A. Acetamide
- B. Primary amide
- C. Secondary amide
- D. Urea

A. Aqueous bromine

- B. Dilute HNO_3
- C. Dilute HCl
- D. CH_3COCl