

Fsc Part 1 Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	If a chemical reaction has $\Delta H = -100 \text{ kJ/mol}$, it is.	A. Endothermic B. Exothermic C. Isothermal D. Isobaric
2	By 1700 A.D only----- elements were recognized.	A. 3 B. 6 C. 12 D. 10
3	How many unpaired electrons are present in an atom of cobalt.	A. Two B. Three C. Four D. Five
4	Which oxidation state will not shown by S	A. -2 B. +4 C. +8 D. +2
5	Which of the following molecules has a central atom with sp^3 hybridization and a tetrahedral electron pair geometry.	A. CCl_4 B. BF_3 C. SO_2 D. PCl_5
6	The principle of measuring DO by Winkler's Method is based on.	A. Iodimetry B. Iodometry C. Acid Base titration D. Complexometry
7	In a titration, the equivalence point is when	A. No acid left B. $pH = 7$ C. Moles of acid = moles of base D. Buffer forms
8	Unit of rate for gaseous reaction are.	A. $\text{mol dm}^{-3} \text{ s}^{-1}$ B. atm C. mol D. kg s^{-1}
9	The quantum number values for the fourth electron of Be atom are.	A. 1, 0, 0 B. 2, 0, 0 C. 2, 1, 0 D. 1, 1, 1
10	Why can a water molecule form two hydrogen bonds on average.	A. Because it is polar B. Due to its temperature C. It has 2 hydrogen atoms and 2 lone pairs D. Because it has a covalent bond
11	Which of the following is a polar molecule that shows permanent dipole interactions.	A. $CHCl$ B. CH_4 C. Cl_2 D. H_2
12	Which of the following reactions can an alkane undergo.	A. Addition B. Substitution C. Polymerization D. Nitration
13	Which of the following is most stable.	A. Tertiary radical B. Primary radical C. Secondary radical D. Methyl radical
14	Which of the following molecules has a dipole moment.	A. CO_2 B. CS_2 C. SO_2 D. CCl_4
15	The general formula for alkanes is.	A. C_nH_{2n+2} B. C_nH_{2n-2} C. C_nH_{2n}

D. C_nH_{2n-1}

16 What is the SI unit of viscosity.

- A. Pascal
- B. $kg\ m^{-1}\ s^{-1}$
- C. Joule
- D. $N\ m^{-2}$

17 Which is a pair of geometrical isomers.

- A. Ethane and propane
- B. But-1-ene and but-2-ene
- C. cis-but-2-ene and trans-but-2-ene
- D. Benzene and toluene

18 Alkanes are also called.

- A. paraffins
- B. Olefins
- C. Aromatics
- D. Alkynes

19 Salts of weak acid + strong base are.

- A. Basic
- B. Acidic
- C. Amphoteric
- D. Neutral

20 Which of the following quantities is NOT typically determined using Hess's Law.

- A. Enthalpy change of formation
- B. Activation energy
- C. Enthalpy change of combustion
- D. Enthalpy change of reaction