

Chemistry Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	For a given process, the heat changes of constant pressure and at constant volume are related to each other as.	A. $q_p = q_v$ B. $q_p < q_v$ C. $q_p > q_v$ D. None of these
2	In endothermic reactions, the heat content of the.	A. Products is more than that of reactants. B. Reactants is more than that of products C. Both a and b D. Reactants and products are equal
3	If an endothermic reaction is allowed to take place very rapidly in the air, the temperature of the surrounding air.	A. Remains constant B. Increase C. Decrease D. Remain unchanged
4	Percentage ionic character of HF is.	A. 100% B. 80% C. 43% D. 57%
5	_____ Molecule has zero dipole moment.	A. CO B. H ₂ S C. SO ₂ D. CH ₄
6	Dipole Moment of H ₂ O is.	A. 1.61 D B. 1.85 D C. 0.95 D D. 1.49 D
7	Which of the hydrogen halide has the highest percentage of ionic character.	A. HCl B. HBr C. HF D. HI
8	The molecule having zero dipole moment is.	A. NH ₃ B. CHCl ₃ C. H ₂ O D. BF ₃
9	Which molecule has sp ² hybridization.	A. CH ₄ B. C ₂ H ₄ C. C ₂ H ₂ D. C ₂ H ₆
10	The carbon atom in C ₂ H ₄ is.	A. sp ³ hybridized B. sp ² hybridized C. sp hybridized D. ds ² hybridized
11	Dipole moment of CO ₂ is.	A. 1.25 D B. 1.85 D C. 3.1 D D. Zero
12	Molecule in which the distance between two carbon atoms is the largest is.	A. C ₂ H ₆ B. C ₂ H ₄ C. C ₂ H ₂ D. C ₆ H ₆
13	The H - H Bond energy in KJ mole ⁻¹ is.	A. 346 B. 436 C. 463 D. 336
14	Which of the following has highest percentage ionic character.	A. HCl B. HF C. HBr D. HI
15	Forces of attraction between He atoms are.	A. Hydrogen bonding B. London forces C. Debye forces D. Dipole-dipole forces

D. Ion dipole forces

16 Which of the following species has unpaired electrons in anti bonding molecular orbitals

A. O₂

B. N₂

C. B₂

D. F₂

17 The number of bonds in oxygen molecules.

A. One sigma and One pi

B. One sigma and two Pi

C. Three sigma only

D. Two sig and two pi