

Fsc Part 1 Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Which is a pair of geometrical isomers.	A. Ethane and propane B. But-1-ene and but-2-ene C. eis-but-2-ene and trans-but-2-ene D. Benzene and toluene
2	In a chemical reaction, a catalyst.	A. Alters Delta H B. Lowers activation energy C. Is consumed D. Forms product
3	pH of blood is around.	A. 6.0 B. 7.4 C. 5.4 D. 8.0
4	If we double the concentration of a reactant, the rate increases by four times, the reaction is.	A. First Order B. Second Order C. Third Order D. Zero order
5	Reaction rate by conductometry depends on	A. Ionic conductivity B. Pressure C. colour D. Temperature
6	Which of the following is NOT a property of liquid crystals.	A. <p>Fluidity</p> B. <p>Rigidity like crystals</p> C. <p>Complete isotropy</p> D. <p>Viscosity</p>
7	$K_p = K_c(RT)$ is used to relate.	A. K_p and K_c B. Temperature and pressure C. Energy and volume D. Gibbs free energy
8	Decreasing pressure shifts equilibrium towards.	A. Sides with more gas molecules B. Side with fewer gas molecules C. Liquids D. Solids
9	Which has the lowest pH?	A. 0.1 M CH ₃ COOH B. 1 M HCl C. 1 M NH ₃ D. 0.1 M HCl
10	Which of the following has greater viscosity than water	A. <p>Glycerine</p> B. <p>Hexane</p> C. <p>Acetone</p> D. <p>Methanol</p>
11	The enhanced stability of conjugated dienes compared to isolated dienes is primarily attributed to	A. Inductive effects the double bonds B. Increases s-character of the hybridized orbitals C. Delocalisation of electrons across the conjugated system D. Steric hindrance between the double bonds
12	By 1700 A.D only----- elements were recognized.	A. <p>3</p> B. <p>6</p> C. <p>12</p> D. <p>10</p>
13	The pH of distilled water at 25 oC is	A. 6 B. 7 C. 5 D. 4
14	The most stable carbonium ion among the following is.	A. (CH ₃) ₃ C ⁺ B. CH ₃ ⁺ C. CH ₃ CH ₂ ⁺ D. (CH ₃) ₂ CH ⁺

15 Which species is both a Bronsted acid and base.
A. H2O
B. Na+
C. OH^-
D. Cl^-

16 Which one of the following effects explains the cooling during the sudden expansion of a gas.
A. Boyle's Effect
B. Joule Thomson Effect
C. Charles Effect
D. Avogadro's law

17 The oxidation number of sulfur in H2SO4 is
A. +2
B. +4
C. +6
D. +8

18 Which of the following is a Lewis acid but not a Brønsted Lowry acid
A. HCl
B. NH3
C. AlCl3
D. H2O

19 Which of the following is an aromatic hydrocarbon
A. Ethene
B. Benzene
C. Methane
D. Cyclohexane

20 The mass of 1.55×10^{23} atoms of Si
A. 0.5 g
B. 8 g
C. 0.7 g
D. 0.6 g