

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Cannizzaro reaction is not given by	A. Trimethyl acetaldehyde B. Acetaldehyde C. Benzaldehyde D. Formaldehyde
2	The weight of 11.2 liters of CO ₂ at S.T.P. would be	A. 88 g B. 44 g C. 32 g D. 22 g
3	What quantity of limestone (CaCO ₃) on heating will give 56 kg of CaO?	A. 1000 kg B. 56 kg C. 44 kg D. 100kg
4	Which of the following alkali metal hydroxides is the strongest base?	A. LiOH B. NaOH C. KOH D. CaOH
5	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
6	Which of the following with aqueous KOH will give acetaldehyde?	A. 1,2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
7	When electrons revolve in stationary orbits	A. There is no change in energy level B. They become stationary C. They are gaining kinetic energy D. There is increase in energy
8	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B ₆
9	Which of the substances Na, Hg, S Pt and graphic can be used as electrodes in electrolytic cells having aqueous solution?	A. Na, Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
10	The total number of protons in 10 g of calcium carbonate is (N ₀ = 6.023 × 10 ²³)	A. 1.5057 × 10 ²⁴ B. 2.0478 × 10 ²⁴ C. 3.0115 × 10 ²⁴ D. 4.0956 × 10 ²⁴
11	Rusting of iron is catalysed by	A. Fe B. O ₂ C. Zn D. H ⁺
12	The following has zero valency	A. Na B. Be C. Al D. Kr
13	The essential component of organic compound is	A. O B. C C. P D. N
		A. 10 ⁻²³ kg B. 10 kg

14	The mass of the neutron is of the order of	<p><sup>-24</sup>kg</p> <p>C. 10 kg</p> <p>D. 10 kg</p> <p><sup>-26</sup>kg</p> <p>D. 10 kg</p> <p><sup>-27</sup>kg</p>
15	Natural fertilizer provides potassium in the form of K_2O (potash)	<p>A. 1.5 kg</p> <p>B. 3 kg</p> <p>C. 4.5 kg</p> <p>D. 6.5 kg</p>
16	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	<p>A. 11%</p> <p>B. 33%</p> <p>C. 44%</p> <p>D. 22%</p>
17	Which of the following has least mass?	<p>A. 2 gram atom of nitrogen</p> <p>B. 3×10^{23} atoms of C</p> <p>C. 1 mole of S</p> <p>D. 7.0 g of Ag.</p>
18	Which of the following imparts violet colouration to the non-luminous flame of Bunsen burner?	<p>A. NaCl</p> <p>B. BaCl₂</p> <p>C. CaCl₂</p> <p>D. KCl</p>
19	Which has largest first ionization energy?	<p>A. Li</p> <p>B. Na</p> <p>C. K</p> <p>D. Rb</p>
20	Tollen's reagent is	<p>A. Ammonical cuprous chloride</p> <p>B. Ammonical cuprous oxide</p> <p>C. Ammonical silver bromide</p> <p>D. Ammonical silver nitrate</p>