

NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Fertilizer are made by	A. Nature only B. Artificial methods only C. Both artificial and natural methods D. None of the above
2	Oleum is	A. Castor oil B. Oil of vitriol C. Fuming of H_2SO_4 D. None of them
3	Which has largest radius?	A. CO^{3+} B. Mn^{3+} C. Fe^{3+} D. Cr^{3+}
4	Which of the following reagent cannot be used for preparing alkyl chloride from alcohol?	A. $\text{HCl} + \text{anhyd. ZnCl}_2$ B. NaCl C. PCl_5 D. SOCl_2
5	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
6	In the manufacture of iron from haematite, limestone is added to act as.	A. Flux B. A reducing agent C. Slag D. An oxidizing agent
7	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol. C. Both D. None
8	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. CsI D. CsF
9	Which of the following fluorides of xenon is impossible?	A. XeF_2 B. XeF_3 C. XeF_4 D. XeF_6
10	Phosphide ion has the electronic structure similar to that of	A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion
11	Wholer prepared urea from	A. Ammonia B. NH_4CNO C. NH_3 D. Uric acid
12	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH_2SL_2 B. Wurtz reaction C. Liquification of natural gas D. None of these
13	Acetylene gives	A. White ppt. with ammonical AgNO_3 and red ppt. with ammonical $\text{Cu}(\text{NO}_3)_2$ B. White ppt. with ammonical AgNO_3 and red ppt. with ammonical CuCl_2 C. White ppt. with both D. Red ppt. with both
14	Which of the following value of ΔH_f represent that product is least stable?	A. $-94.0 \text{ kcal mol}^{-1}$ B. $-231.6 \text{ kcal mol}^{-1}$ C. $+21.4 \text{ kcal mol}^{-1}$ D. $+64.8 \text{ kcal mol}^{-1}$

15	How many kinds of space lattices are possible in a crystal?	A. 23 B. 7 C. 230 D. 14
16	1 mole of CH ₄ contains	A. 6.02×10^{23} atoms of H B. 4 g-atom of hydrogen C. 1.81×10^{23} molecules of CH ₄ D. 3.0 g of carbon
17	In Friedal-Craft's alkylation besides AlCl ₃ the other reactants are	A. C ₆ H ₆ + NH ₃ B. C ₆ H ₆ + CH ₄ C. C ₆ H ₆ + CH ₃ Cl D. C ₆ H ₆ + CH ₃ COCl
18	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
19	Phosphorus pentoxide finds use as	A. An oxidizing agent B. A reducing agent C. a bleaching agent D. A dehydration agent.
20	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene