Nitrogen and Sulfur

Sr	Questions	Answers Choice
1	Ionic Radius of nitrogen N-3 is	A. 170 pm B. 121 pm C. 156 pm D. 171 pm
2	Common bonding exhibited by sulfur is.	A. Ionic bond B. Covalent bond C. Coordinate covalent bond D. Metalic bond
3	Most common oxidation states of sulfur are.	A. 5+ and 6+ B. 4+ and 6+ C. 4+ and 8+ D. 0 and 1+
4	Which gas is used in separating hard water from normal water.	A. NH3 B. SO2 C. H2S D. NO2
5	When sulfuric acid reacts with table sugar balck porous mass is obtained which is	A. Sulfur B. Carbon C. Nitrogen D. Alcohal
6	In laboratory sulfuric acid appears as	A. Yellow coloured gas B. Colourless viscous liquid C. Solid crystals D. Pinck coloured liquid
7	The oxidation state of sulfur in H2SO4	A. +1 B. +4 C. +6 D. +2
8	Sulfur trioxide is not directly dissolved in water to produce sulfuric acid in the contact process beause this reaction is.	A. Too slow B. Highly exothermic and produces a mist of sulfuric acid C. Reversible and would result in a low yield D. Requires very high pressures
9	Viscosity of sulfuric acid is	A. 30.33 contipoise B. 25.24 centriposie C. 44 centipoise D. None of these
10	The most stable species in an acids environment is.	A. SO^{2-₄} B. SO2 C. H2S D. S
11	The ability to form large rings and long chains is called.	A. Sulfonation B. Catenation C. Alkylation D. All above options are same
12	Main fuel in gun poweer is	A. Charocal carbon B. Nitrte C. Sulfur D. None of these
13	Which of the following is used as raw material in contact process	A. Sulfur B. Iron pyrite C. Both a and b D. None of these
14	Nitrogen belongs to which group of prediodic table	A. 12 B. 13 C. 15 D. 18
15	Relative atomic mass of sulfur is	A. 32.06 a.m.u B. 31.06 a.m.m C. 39.06 a.m.u

		D. 30.6 a.m.m
16	The drug omeprazole contains.	A. Sulfoxide B. Thiol C. Sulfone D. Bisulfide
17	Oxidation state of nitrogen in laughing gas is	A. 1+ B. 2+ C. 3+ D. 9+
18	Electro negativiy of nitrogen is	A. 2.5 B. 3.0 C. 4.0 D. None of these
19	IUPAC name of ammonia is	A. Azane B. Azanium C. Azole D. None of these
20	The shape of ammonium is	A. Pyramidal B. Triangular planar C. Tetrahedral D. Linear