

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	In N.W.F.P the phosphate fertilizer are produced at	A. D.I.Khan B. Haripur C. Nowshera D. Dargai
2	Cyclone collector is used for minimizing	A. Radioactive pollution     B. Air pollution     C. Noise pollution     D. Water pollution
3	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
4	The movement of solvent molecules through a semipermeable membrane is called	A. Electrolysis B. Electrophoresis C. Osmosis D. Cataphoresis
5	Salol is prepared from	A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None
6	Atmosphere of big/metropolitan cities is polluted most by	A. Automobile exhausts B. Pesticide residue C. Household waste D. Radio-active fall out
7	The number of atoms in 0.0004 g of magnesium is close to	A. 24 B. 2 x 10 <sup>20</sup> C. 10 <sup>20</sup> D. 6.02 x 10 <sup>23</sup>
8	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order A $<$ B $<$ C?	A. B evaporates more readily than A B. B evaporates less readily than C C. A and B evaporates at the same rate D. A evaporates more readily than C
9	The rate at which a substance reacts depends on its	A. Atomic weight B. Equivalent weight C. Molecular weight D. Active mass
10	Reaction of acids with alcohols is also known as	A. Esterification B. Saponification C. Alkalization D. None
11	An exothermic reaction is one in which the reacting substances	A. Have more energy than the products B. Have less energy than the products C. Have the same energy as the products D. Are at a higher temperature than the products
12	SO <sub>2</sub> and NO <sub>2</sub> pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
13	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
14	The bond angle H - O - H in ice is closest to	A. 120°, 28° B. 60° C. 90° D. 109°

15	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
16	During the folding of filter paper the apex form angle of about	A. 80 <sup>o</sup> B. 60 <sup>o</sup> C. 180 <sup>o</sup> D. 90 <sup>o</sup>
17	The addition of HBr is easiest with	A. CH2 = CHCI B. CICH = CHCI C. CH3 - CH = CH2 D. <span style="font-size: 14.44444465637207px,">(CH3)2 C = CH2</span>
18	The vapour density of a gas is 11.2 The volume occupied by 11.2 g of this gas at N.T.P is	A. 22.4 liters B. 11.2 liters C. 1 liter D. 2.24 liters
19	Ethyl chloride on treatment with aqueous alkali gives	A. Ethane B. Ethene C. Ethanal D. Ethanol
20	The number of atoms contained in 11.2 L of SO <sub>2</sub> at S.T.P are	A. 3/2 x 6.02 x 10 <sup>23</sup> B. 2 x 6.02 x 10 <sup>23</sup> C. 6.02 x 10 <sup>23</sup> D. 4 x 6.02 x 10 <sup>23</sup>