

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as	A. Boyle's law B. Charle's law C. Avogadro's law D. Dalton's law
2	Which of the following value of $\Delta H \! f^\circ$ represent that the product is least stable?	A94.0 kcal mol <sup>-1</sup> B231.6 <span style="font-size: 14.4444465637207px,">kcal mol</span> <sup>-1</sup> C. +21.4 <span style="font-size: 14.4444465637207px,">kcal mol</span> <sup>-1</sup> D. +64.8 <span style="font-size: 14.4444465637207px,">kcal mol</span> <sup>-1</sup> D. +64.8 <span style="font-size: 14.44444465637207px,">kcal mol</span> <sup>-1</sup>
3	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is obsorbed C. Heat is evolved D. Heat is converted into mechanical work
4	The disaccharide present in milk is	A. Sucrose B. Maltose C. Lactose D. Cellobiose
5	Enzymes are	A. Proteins B. Mineral C. Oils D. Fatty acids
6	The rate of a reaction that does not involve gases does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
7	Which quantum number is sufficient to describe the electron is hydrogen atom?	A. / B. n C. m D. s
8	The structure of XeF <sub>6</sub>	A. Distorted octahedral B. Pyramidal C. Tetrahedral D. None of the above
9	Which of the following species participate in sulphonation of benzene ring?	A. H <sub>2</sub> SO <sub>4</sub> B. HSO <sup>-</sup> sub>3 C. SO <sub>3</sub> D. SO <sup>-</sup> sub>2
10	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc <sup>3+</sup> B. <span style="font-size: 14.44444465637207px;">Ti</span> <sup>3+</sup> C. Cu <sup>+</sup> D. Zn <sup>2+</sup>
11	The essential component of organic compound is	A. O B. C C. P D. N
12	Which of the following has greatest reducing power?	A. HI B. Hbr C. HCI D. HI
13	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
		A. SO <sub>3</sub>

14	Which of the following is acidic?	B. N <sub>2</sub> 0 C. BeO D. HgO
15	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction
16	Which species represents the electrophile in aromatic nitrotaion?	A. NO <sup>-</sup> <sub>2</sub> B. + <div>NO<sub>2</sub></div> C. NO2 D. <span style="font-size: 14.4444465637207px;">NO</span> <sup>-</sup> <sub>3</sub>
17	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
18	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3 x 10 <sup>23</sup> atoms of C C. 1 mole of S D. 7.0 g of Ag.
19	Which of the following with aqueous KOH will give acetaldehyde?	A. 1,2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
20	The bond angle H - O - H in ice is closest to	A. 120°, 28° B. 60° C. 90° D. 109°