

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spriit C. Power alcohol D. Methylated spirit
2	The number of electrons in the M shell of the element with number 24 is	A. 24 B. 12 C. 13 D. 8
3	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH2CL2     B. Wurtz reaction     C. Liquification of natural gas     D. None of these
4	SO <sub>2</sub> and NO <sub>2</sub> pollution by increasing	A. Alkalinity B. Acidity C. Neutrality D. Buffer action
5	Benzene + Ozone $\rightarrow$ Y. in this sequence Y is	A. Benzene monoozonide     B. Benzene diozonide     C. Benzene triozonide     D. Succinic acid
6	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
7	The substance used as a smoke screen in warfare is	A. SiCl <sub>4</sub> B. PH <sub>3</sub> C. PCl <sub>5</sub> D. Acetylene
8	Chile salt petre is	A. NaNO <sub>3</sub> B. Na <sub>2</sub> SO <sub>4</sub> C. KNO <sub>3</sub> D. Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
9	Which of the following mineral does not contain Al?	A. <span style="font-size: 14.4444465637207px;">Cryolite</span> B. <span style="font-size: 14.4444465637207px;">Mica</span> C. <span style="font-size: 14.4444465637207px;">Feldspar</span> D. <span style="font-size: 14.44444465637207px;">Fluorspar</span>
10	Which of the following imparts violet colouration to the non-luiminous flame of Bunsen burner?	A. NaCl B. BaCl <sub>2</sub> C. CaCl <sub>2</sub> D. KCl
11	Calcium acetate when dry distilled gives	A. Formaldehyde B. Acetaldehyde C. Acetone D. Acetic anhydride
12	Which is the most volatile compound?	A. HI B. HCI C. HBr D. HF
13	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour     B. Electronegativity     C. Ionisation potential     D. Neutron/proton ratio.
14	Reaction of ethylamine with chloroform in alcoholic KOH producers	A. CH <sub>3</sub> OH B. CH <sub>3</sub> NC C. C <sub>2</sub> H <sub>5</sub> NC D. C <sub>2</sub> H <sub>5</sub> CN

15	An electrolyte	A. Forms complex ions in solution B. Gives ions only when electricity is passed C. Possesses ions even in solid state D. Gives ions only when dissolved in water
16	The heats evolved in combustion of rhombic and monoclinic sulphur are - 70960 and -71030 cal mol <sup>-1</sup> respectively what will be heat of conversion of rhombic sulphur ti monoclinic?	A. 70960 calories B. 71030 calories C70 calories D. +70 calories
17	Natural frertilizer provides phosphorus to plants in the form of $\mbox{P}_2\mbox{O}_5$	A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg
18	Which of the following fluorides of xenon in impossible?	A. XeF <sub>2</sub> B. XeF <sub>3</sub> C. XeF <sub>4</sub> D. XeF <sub>6</sub>
19	Which of the following has linear shape?	A. SP B. SP <sup>2</sup> C. SP <sup>3</sup> D. None of the above
20	The halide which is not hydrolysed is	A. SiCl <sub>4</sub> B. SiF <sub>4</sub> C. CCl <sub>4</sub> D. PbCl <sub>4</sub>