

## NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	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>
2	Sodium metal cannot be stored under	A. Benzene B. Kerosene oil C. Alcohol D. Toluene
3	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
4	Octane number is zero for	A. n-Heptane B. Isooctane C. n-Hexane D. Isoheptane
5	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
6	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc <sup>3+</sup> B. <span style="font-size: 14.4444465637207px;">Ti</span> <sup>3+</sup> C. Cu <sup>+</sup> D. Zn <sup>2+</sup>
7	Gooch crucible is used for the filtration of precipitates having	A. High solubility B. High concentration C. High ignition temperature D. Low temperature
8	How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
9	Which has maximum protein content?	A. Ground nut B. Cow milk C. Egg D. Wheat
10	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
11	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
12	Which of the following species participate in sulphonation of benzene ring?	A. H <sub>2</sub> SO <sub>4</sub> B. HSO <sub>3</sub> <sup>-</sup> C. SO <sub>3</sub> <sup>-</sup> D. SO <sub>2</sub>
13	Benzene + Ozone → Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozone D. Succinic acid
14	Which one of the following has the lowest boiling point?	A. <span style="font-size: 14.4444465637207px;">B</span> B. <span style="font-size: 14.4444465637207px;">Al</span> C. <span style="font-size: 14.4444465637207px;">Ga</span> D. <span style="font-size: 14.4444465637207px;">Ti</span>

15	Natural fertilizer from plants and animals provide nitrogen	<p>A. <math>1.5 \text{ kg}</math></p> <p>B. <math>3.0 \text{ kg}</math></p> <p>C. <math>4.5 \text{ kg}</math></p> <p>D. <math>6 \text{ kg}</math></p>
16	Isopropyl alcohol on oxidation forms	<p>A. Acetone</p> <p>B. Ether</p> <p>C. Ethylene</p> <p>D. Acetaldehyde</p>
17	$\Delta H_{\text{Neutralisation}}$ is always	<p>A. Positive</p> <p>B. Negative</p> <p>C. Zero</p> <p>D. Positive or negative</p>
18	The IUPAC name of the compound having the formula $(\text{CH}_3)_3\text{C}-\text{CH}=\text{CH}_2$ is	<p>A. 1, 1 -Dimethyl-3-butene</p> <p>B. 1,1,1-Trimethyl-3-propene</p> <p>C. 3,3,-Dimethyl-1-butene</p> <p>D. 3,3,3-Trimethyl-1-propene</p>
19	Which of the following is acidic?	<p>A. <math>\text{SO}_3</math></p> <p>B. <math>\text{N}_2\text{O}</math></p> <p>C. BeO</p> <p>D. HgO</p>
20	Leblanc process is employed in the manufacture of	<p>A. Baking soda</p> <p>B. Washing soda</p> <p>C. Potash</p> <p>D. Plaster of paris</p>