

NAT I Medical Chemistry

Sr	Questions	Answers Choice
1	Which of the following substances is used as an antiknock compound?	A. Tetraethyl lead B. Lead tetrachloride C. Lead acetate D. Ethyl acetate
2	Which of the following imparts violet colouration to the non-luminous flame of Bunsen burner?	A. NaCl B. BaCl ₂ C. CaCl ₂ D. KCl
3	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
4	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium
5	Which is not a colligative property?	A. Osmotic pressure B. Lowering of vapour pressure C. Depression of freezing point D. Elevation of boiling point
6	According to MO Theory the species O ⁺ ₂ possesses	A. Bond order of 2.5 B. Three unpaired electrons C. Diamagnetic character D. Stability lower than O ₂
7	Which has the largest radius?	A. CO ³⁺ B. Mn ³⁺ C. Fe ³⁺ D. Cr ³⁺
8	Ionic solids with defects contain	A. Equal number of cation and anion vacancies B. Interstitial anions and anion vacancies C. Cation vacancies only D. Cation vacancies and interstitial cations
9	A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphate solution?	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
10	The number of oxygen atoms in 4.4 g of CO ₂ is approximately	A. 1.2 x 10 ²³ B. 6 x 10 ²² C. 6 x 10 ²³ D. 12 x 10 ²³
11	The mass of the neutron is of the order of	A. 10 ⁻²³ kg B. 14.44444465637207px; ¹⁰ <sup>-24</sup> &nbsp;kg C. 14.44444465637207px;¹⁰ <sup>-26</sup>&nbsp;kg D. 14.44444465637207px;¹⁰ <sup>-27</sup>&nbsp;kg
12	Formic acid is obtained when	A. Calcium acetate is heated with conc. H ₂ SO ₄ B. Calcium formate is heated with calcium acetate C. Glycerol is heated with oxalic acid D. Acetaldehyde is oxidized with K ₂ CrO ₇ and H ₂ SO ₄
		A. CH ₃ OH

13	On heating acetaldehyde with ammonical silver nitrate solution we get	B. Silver acetate C. HCHO D. Silver mirror
14	Sulphure dioxide affects	A. Cell wall B. Plasmodesmata C. All membrane systems D. Nucleus
15	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
16	Carbon monoxide is pollutant as it	A. Inactivates nerves B. Inhibits glycolysis C. Combines with oxygen D. Combines with hemoglobin
17	Crystal can be classified in to basic crystal habits	A. 7 B. 4 C. 14 D. 3
18	The digestion of fats in the intestines is aided by	A. Diffusion B. Protection C. Peptization D. Emulsification
19	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
20	Ascorbic acid is a chemical name of	A. Vitamin D B. Vitamin A C. Vitamin C D. Vitamin B ₆