

NAT I Medical Chemistry

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Sr	Questions	Answers Choice
1	Detergents are	A. Synthetic products B. Natural products C. Both A and B D. None of the above
2	Propyne on hydrolysis in presence of H ₂ SO ₄ and HgSO ₄ gives	A. Acetaldehyde B. Actone C. Formaldehyde D. None
3	ΔH _{Neutralisation} is always	A. Positive B. Negative C. Zero D. Positive or negative
4	Which of the following species participate in sulphonation of benzene ring?	A. H ₂ SO ₄ B. HSO ⁻ sub>3 C. SO ₃ D. SO ⁻ sub>2
5	For the reaction $2A(g) + B(g) \ 3C(g) + D(g)$ two moles each of A and B were taken into a flask The following must always be true when the system attained equilibrium	A. [A] = [B] B. [A] < [B] C. [B] = [C] D. [A] > [B]
6	Which of the following cannot be produced by acidic dehydration of alcohols?	A. Ethers B. Aldehyde C. Alkyl Hydrogen sulphate D. Alkene
7	Which of the following halogens does not forms its oxyacids?	A. Fluorine B. Chlorine C. Bromine D. lodine
8	The pore size of the filter paper depends upon	A. Nature of the medium B. Temperature of the medium C. Size of the particles D. Mass of the particles
9	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysus
10	Which of the following with aqueous KOH will give acetaldehyde?	A. 1,2-Dichloroethane B. 1, 1-Dichloroethane C. Chloroacetic acid D. Ethyl chloride
11	Isopropyl alcohol on oxidation forms	A. Acetone B. Ether C. Ethylene D. Acetaldehyde
12	The spectrum of helium is expected to be similar to that of	A. H B. Li ⁺ C. Na D. He ⁺
13	When electricity is passed through molten Al_2O_3 + Na_3AlF_6 and 13.5 gms Al are deposited, the number of faraday must be	A. 0.5 B. 1.0 C. 1.5 D. 2.0
14	Which one of the following elements occurs free in nature?	A. N B. P C. As D. Sb
15	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond

		D. Electrovalent bond
16	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
17	Which of the following compounds has the lowest anion to cation size ratio?	A. LiF B. NaF C. Csl D. CsF
18	Causticisation process is used for the preparation of	A. Caustic soda B. Caustic potash C. Baryata solution D. Slaked lime
19	When quantity of electricity passed is one faraday then the mass deposited at the electrode is equal to	A. One gm. atomic weight B. One gm. Equivalent weight C. Electrochemical equivalent D. None of the above
20	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 then O ₂