NAT I Medical

Sr	Questions	Answers Choice
1	Inert pair effect plays an important role in case of	A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm
2	The bond angle H - O - H in ice is closest to	A. 120° , 28° B. 60° C. 90° D. 109°
3	A body moving in circular motion with constant speed has	A. Constant velocity B. Constant acceleration C. Constant kinetic energy D. Constant displacement
4	Which one of the halogen acid is a liquid?	A. HF B. HCl C. HBr D. HI
5	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
6	The reaction/method that does not give an alkane is	A. PbO B. Pb₃O₄ C. Pb O ₂ D. Pb ₄O ₃
7	Which inorganic precipitate acts as semipermeable membrane?	A. Calcium sulphate B. Barium oxalate C. Nickel phosphate D. Copper ferrocyanide
8	Al is more reactive than Fe but Al is less easily corroded than Fe Because	A. It is a noble metal B. Oxygen forms a protective reaction easily with water C. Iron undergoes reaction easily with water D. Fe form mono and divalent ions.
9	A train of 150 m length is going towards north direction at a speed of 10 ms^{-1} A parrot flies at a speed of 5 ms^{-1} towards south direction parallel to the railway track,The time taken by the parrot to cross the train is equal to	A. 12 s B. 8 s C. 15 s D. 10 s
10	Which of the following particle would experience the largest magnetic force when projected with the same velocity perpendicular to a magnetic field?	A. Proton B. Electron C. He⁺ D. Li⁺
11	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3 x 10²³ atoms of C C. 1 mole of S D. 7.0 g of Ag.
12	Salol is prepared from	A. HI B. Hbr C. HCl D. HI
13	Which of the following has linear shape?	A. B B. Al C. <span style="font-size:

		14.4444446563720?px;">Ga D. Ti
14	Which of the following mineral does not contain Al?	A. 10 B. 50 C. 30 D. 96.5
15	A 2 kg body and a 3 kg body have equal momentum if the kinetic energy of 3 kg body is 10 j, the KE of 2 kg body will be	A. 6.66 j B. 15 j C. 22.5 j D. 45 j
16	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
17	The acceleration 'a' in m/s^2 of a particle is given by $a = 3t^2 + 2t + 2$,where 't' is the time if the particle starts out with a velocity v = 2 m/s at t = 0, then the velocity at the end of 2 second is	A. 12 m/s B. 24 m/s C. 18 m/s D. 36 m/s
18	Portland cement is manufactured by using	A. BaCl₂ B. KCl C. NaCl D. MgCl₂
19	As the electron in Bohr orbit of hydrogen atom passes from stat n = 2 to n = 1 the kinetic energy K and potential energy U change as	A. 1.275 eV B. 12.75 eV C. 5 eV D. 8 eV E. X = nπ+ π/6
20	The symbol of the element whose atoms have the outer most electronic configuration $2s^2 2p^3$ is	A. N B. Li C. P D. Na