NAT II Physical Science Chemistry

Sr	Questions	Answers Choice
1	Vital force theory was rejected by	A. Berzelius B. Kolbe C. Wholer D. Lavoiser
2	The rotation of two carbon atoms joined by double bond would happened only if	A. P_ibond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
3	Which of the following has linear shape?	A. SP B. SP² C. SP³ D. None of the above
4	Hybridization explain the ---------- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
5	1-Chloropropane has two isomers. It is an example of	A. Chain isomerism B. Position isomerism C. Function group isomerism D. Meramerism
6	The isomers due to the unequal distribution of carbon atoms on either side of the functional group belonging to the same homologous series are called	A. Functional isomers B. Position isomers C. Chain isomers D. Metamers
7	In which molecule carbon atom is sp^2hybridized	A. CH₄ B. C2H₄ C. C₂H₂ D. None of the above
8	When a carbon atom forms single bonds with other carbon atoms, these hybird orbitals overlap with the orbitals of hydrogen to form four bonds which are	A. Three sigma and one P_i B. Two sigma andtwo P_i C. One sigma and three P_i D. Sigma
9	Sodium thisoulphate is used in photography because of its	A. Oxidizing behaviour B. Reducing behaviour C. Complexing behaviour D. Photochemical behavior
10	In the manufacture of iron from haematite, limestone is added to act as.	A. Flux B. A reducing agent C. Slag D. An oxidizing agent
11	Rusting of iron is catalysed by	A. Fe B. O₂ C. Zn D. H⁺
12	Which has largest radius?	A. CO³⁺ B. Mn³⁺ C. Fe³⁺ D. Cr³⁺
13	Which of the following metal exhibits more than one oxidation?	A. Na B. Mg C. Fe D. Al
14	Which of the following transition metal ions will have definite value of magnetic moment?	A. Sc³⁺ B. Ti³⁺ C. Cu⁺ D. Zn²⁺
15	Iron, once dipped in concentrated H_2SO_4, does not displace copper from copper sulphates	A. It is less reactive than copper B. A layer of sulphates is deposited on it

15	solution, because	C. An inert layer of iron oxide is deposited on it. D. All valence electrons of iron are consumed.