1. Reaction 2A--->B+3C is zero order reaction. What will be the rate of production for "C"?

Ans. 10.5x10-4mol L-1 S-1

2. Which one of the following is amphoteric oxide?

Ans. Cr2O3

3. Which of the following ion show the highest spin-only magnetic moment value?

Ans. Mn2+

4. Name the member of the lanthanide series which is well known to exhibit a +4 oxidation state.

Ans. Cerium

5. Which reagent will be used for the following reaction? CH3CH2CH2CH3----->

Ans. CL2/ UV Light

6. In the complex K[Cr(H2O)2(C2O4)2], Central metal ion is ____ and _____.

Ans. +3, 6

7. KMnO4 acts as an oxidising agent in an acidic medium in an acidic solution is____.

Ans. 2/5

8. Hybridizations is [NI(CO)4] and [NI(CN)4]-3 are respectively.

Ans. sp3 and dsp2

9. Which one of the correct formula for coordination compound tris [ethan-1,2-diamlne] cobalt (III) sulphate

Ans. [Co(en)3]2(SO4)3

10. Identify the optically active compound from the following

Ans. [Co(en)3]Cl3

11. 'R'+CH3-CO-CH3------> Schiff's base what is 'R' in this reaction?

Ans. CH_3-NH_2

12. Which of the following carboxylic acid has least pKa value among all?

Ans. HCOOH

13. Which is the correct order of the basic strength of a given amino?

Ans. $(C_2H_5)_2NH > C_2H_5NH_2 > NH_3 > C_6H_5NH_2$

14. Which diazonium salt is water-insoluble and stable at room temperature?

Ans. $C_6H_5N_2BF_4$

15. Lactose is compound of which units?

Ans. B-D-Galactose and B-D-Glucose