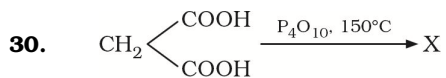
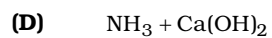
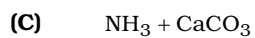
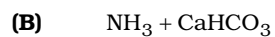


Date Planned : __ / __ / __	Daily Tutorial Sheet-2	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	Level-1	Exact Duration : _____

16. Extra pure N_2 can be obtained by heating : ▶
 (A) NH_3 with CuO (B) NH_4NO_3
 (C) $(NH_4)_2Cr_2O_7$ (D) $Ba(N_3)_2$
17. Which of the following halogen oxide is used for estimation of carbon monoxide in automobile exhibits gases ?
 (A) Cl_2O_7 (B) I_2O_5 (C) ClO_2 (D) BrO_3
18. An explosive compound (A) reacts with water to produce NH_4OH and $HOCl$. Then, the compound (A), is :
 (A) TNG (B) NCl_3 (C) PCl_3 (D) HNO_3
19. The atomicity of phosphorus is X and the PPP bond angle in the molecule is Y. What are X and Y ?
 (A) $X = 4, Y = 90^\circ$ (B) $X = 4, Y = 60^\circ$
 (C) $X = 3, Y = 120^\circ$ (D) $X = 2, Y = 180^\circ$
20. H_3PO_3 has Non-ionisable P-H bonds.
 (A) 3 (B) 1 (C) 2 (D) None of these
21. Which is tribasic acid ?
 (A) H_3PO_2 (B) H_3PO_4 (C) $H_4P_2O_7$ (D) H_3PO_3
22. The catalyst used in manufacture of ammonia is :
 (A) V_2O_5 (B) Pt (C) Fe (D) $Ni(CO)_4$
23. What are the products obtained when ammonia is reacted with excess chlorine ?
 (A) N_2 and NCl_3 (B) N_2 and HCl
 (C) N_2 and NH_4Cl (D) NCl_3 and HCl
24. Zinc and cold dil. HNO_3 reacts to produce :
 (A) NO (B) NO_2 (C) NH_4NO_3 (D) $Zn(OH)_2$
25. Pnicogens are the elements of group :
 (A) 15 (B) 13 (C) 8 (D) Zero
26. The treatment Cu with dilute HNO_3 gives :
 (A) N_2O (B) NO (C) NH_4^+ (D) NO_2
27. Which of the following oxy-acids of phosphorus is a reducing agent and monobasic ?
 (A) H_3PO_2 (B) H_3PO_3 (C) H_3PO_4 (D) $H_4P_2O_6$
28. Pb reacts with dilute HNO_3 gives :
 (A) NO (B) NH_4NO_3 (C) N_2O_5 (D) NO_2

29. Calcium cyanamide on treatment with steam produces :



Compound (X) is :

