Makawanpur First Terminal Examination-2080 Time: 1.5 hours FM; 37.5		
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NaCl, H ₂ O and CO ₂ . [2+1+1+1] a. Find the limiting reagent with proper reason. b. Calculate the number of mole of unreacted reagent leftover. c. What volume of CO ₂ gas is produced at NTP? d. Calculate the mass of NaCl formed. 11. Describe aliphatic, alicyclic, aromatic and heterocyclic compounds with examples. [5] Group C [Long answer questions] [6.5] 12. What is meant by a functional group and homologue? Write down the general characteristics of homologous series. Write the notation for the functional group isocyanides. [2+4+0.5] OR, The cost of table sugar [C ₁₂ H ₂₂ O ₁₁] is Rs 24per kg. Calculate its cost per mole. How many number of oxygen molecules is present in 3 litres of CO ₂ at S1P? Define nucleophile and electrophile with appropriate examples. [2+2+2.5]	phosphine. Wife any the general	
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STP? Define nucleophile and electrophile with appropriate examples. [2+2+2.5]		
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