Engineering Chemity 9100031754 P. Sai umuh 10) Discuss the applications of reference electrodes. Ans) (i) pH Measurement: Used with glass electrodas to accurately measure pot in societion. (ii) Electrochemical Analysis: Provides a stuble potential in techniques like vottammeny and potentiometry for ion and compound detection. (iii) Bartery Terring and corrosion studies: Helps assers electrochemical behavior of materials by providing a constant refrence points 20) write the equation to determine pH wing a référence électrode. Ani) The pH of a solution can be determined wing The potential différence between a reference electrode and a pH-sensitive electrode pH = Ereference - Eglas, ( 60 , 03) shino 10.0591 · Ereférence is the potential of the refrence electrode, · Eglas is the potential of the glass electrode, · 0.059) v is the potential charge per pH unit at This allows for the calculation of pH based on the 25°C , vortage différence.