Bipartite graph [Bi graph] A simple graph Gr is called bypan it its verten set V can be postitioned into a disjoint sets V, & Va such they every edge in the graph connects a un in V, e a verten in Va (30 that no edge in Gronneckeds either 2 vertices V, or 2 vertrees in V2). Eg. V, V2, V3, V4, V5, V6) $V_1 = \{v_1, v_3, v_5\}$ It can be as $\frac{1}{4}$ \frac V can be partisitioned into the v, v3 v5 ltere V, 2002 & Va & every edge of grap La sets
connects
Va. a verten in V, & a verten in
the graph is a bipartite graph

Complete Bipartite Graph A bipartite graph in which every rave verten of v, is adjacent to every verten in Va (ie every verten of Vi is joined to every verten of va) is called complète brigastite graph. It is denoted by Km, n where m is the no. of vertices V, & n is the no. of vertices in Va. K2, 3