2) The grantity of the control, the fact that a small charge enalled by the controller leads to very lays changes of the output. 3) OS cillations which ocur when the charg of The imput are too large and the control 18 foo weak, Such that the Changes, of the input propagate directly to contput Two types of policies are used in adomatic Systems i) The shold based policies and i) Seguntial decision policier Based on decision models 2) Explain Pair Guerring 9 Pain Querying: -Computing and Communication on a cloud are intimately solated Thenfor it should be not supprise that the first algorithm we diglus can be used by scheduling packet brormissing as well as thrads The fair oliening (16) algerithm proposs a Sdation to this problem. call +9, the time when the packet of flow of Size pa bits arnius and call pa bits arnius and call of spand pa the value of Ret 1 when

3) what is Borrowed virtual time explain ? Borowed virtual time: The Borrowed virtual time schedulon is a preptinal. Share Schedular that allows soleted thrads to barrow against their future processor allotton. decroping this scheduling laten der. with But scheduling thrad exetton flore is monitored in forms of virtual the dispatching the runnable. Thrad letth the evalist effetive. virtual time However a latency, sensitu thad is allowed to wentake in virtual, the to make it appear earlies and then by gain dispatch por ferner. * if then efficiely borrows virtual the bom. its fatus con allocation and their does not disrupt long form upo Schidu Hing * each BUT thrad Includer the State Variabler EI, its effetive virtual the A it's actual Vistual April wit its vistual thre wap, wrap Ball St if wap to enabled Ej & Aj + (wap 2 wisn) where wrap to determined as devolte later the Scholar accounts for ourning time. In units of minimum Charging unit.

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