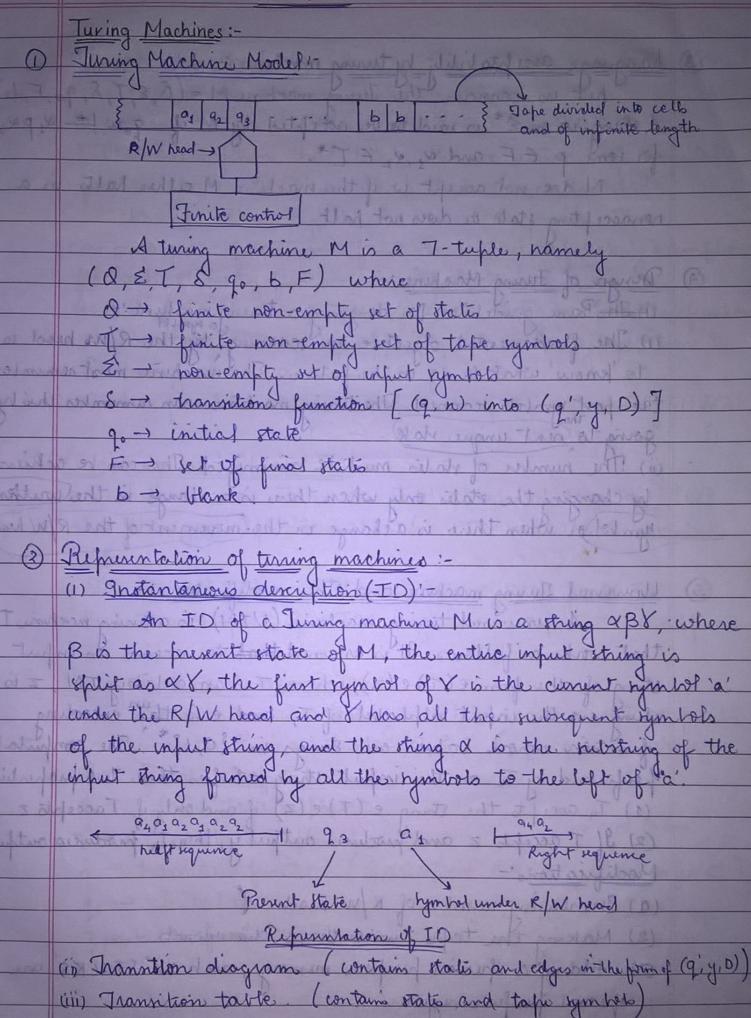
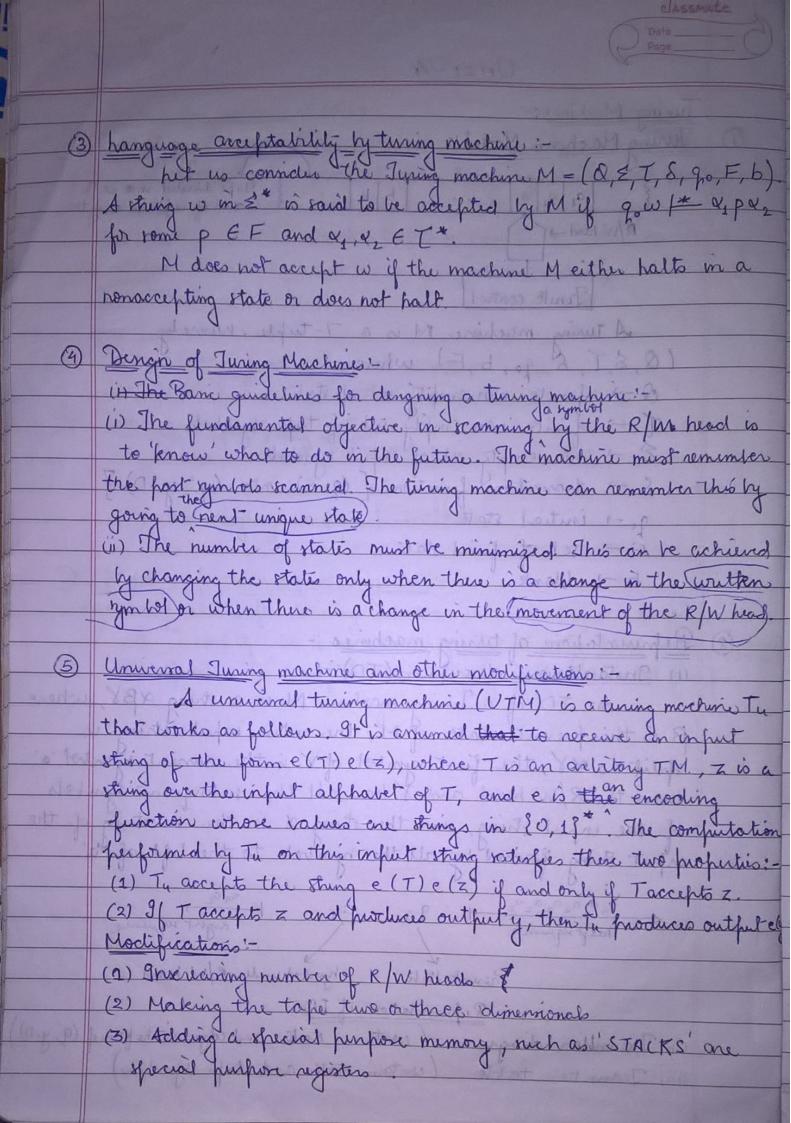
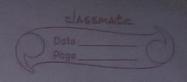
Date_____







6 Church's Hypotheris'-Hypotheris means proporing certain facts. The church's hyplothers or church's tuning them can be stated as, "The assumption that the intuitive notion of computable functions can be identified with fartial recurring functions However, this hypothesis can not be proved. The computability of recurring functions is band on following animplions (1) Each elementry function is computable. (2) het the the computable function and give the mother function which can be obtained by applying an elementry operation to F, then g becomes a computable function (3) Any functions becomes computable if it is obtained by (1) &(2) @ Composite and Iterated TM:when more than one TM combined together to solve the given problem, buch a TM is called composite The iterated TM is a special case of composite TM in which the output of a TM is given as input to itself. 3 Juring marchine as enumerators 1-An enumerator E is a 6-tuple (Q, E, I, 8, 90, 9 print) where a - finite set of states 2 - frint take alphabet TWO TAPE DEVICE 7 - work tape alphabet S - hamition function (QXXXT → QXXX [L, R] X [X, R] go → Initial state [#10 b] write only once to be grint -> final state I work take

