EXPERIMENT 5 (F) ROUND ROBIN SCHEDULINA

Implement Round Robin scheduling auth Arrival Time & Burit Time.

ALMORITMM STEP O: START

STEP 1: Dellare grobal variables Q [100].

front = -1, Mar = -1

STEP 2: Mate a thurture process p [20]
ust attributes at, bt, tt, wt

STEP3: Male a vinuture done a (20) une altributes st, et, name.

ALMORITMM FOR ENQUEUE (Intj)

STEP O: JTART

STEP 1: If front=-1& ren =-1 men

STEP 2: Pear is invenented and just invented Q(Nas).

ALMORITMM FOR DEQUEUE()

STEPO: START

STEP 1: Declare item and it item

STEP 2: If front = rear, then ret

step 3: Else invenent front and then finally return the Hem.

ALMORITUM FOR MAIN STEP 0: START

STEP 1: Dellare all the maurica variables like i, j, num, t, k, idle=0% ls, n.

STEP 2: Delane float variables avwt=0 & avst=0.

STEP 3: Prompt the un 10 enter the number of prounds as n.

STEPM: wing a for loop, prompt true will to enter the procur name, arrival sime and built sime.

STEP 5: Enter the sume wanter of t.

STEP b: Initialize variables for a for loop, num (no. of completed processes), i=0 and set num=0

STEP 7: idle variable is not as flag for idle time of the CPU

STEP8: A loop is set untill all the

STEP 9: within each iteration, it enqueues provides mat nave anived and one not yet procured

STEP 10: Iale in me nanaled if the avere in empty and iall time

ut 10 0 (idle=0) if me is no rall sime STEP 11. If the remaining burnt time of me proces is less than or early to the ame avantum't then it completes the process STEP 12 Flie, it proulles for me une avantum t and enqueves it bour so me queue. STEP 13: After the loop, valuation as done and punts me completion time, waiting time k Turnsaound Time for coun proces. Total waiting time & Total Ausaat Turn wound time is also alulared STEP 14: hand chart is displayed showing the Ravence of proudles executed and their start knompletion time STEP 15: calculates and punts the aurage waiting ime & average turn pround Time

RESULT Expriment completed incumbally & output obtained.