Exp No : 1(c)

DATE: 21 .11 .22

“CALCULATING ELECTRIC BILL”

AIM :

To draw flow chart and algorithm for the following problem

ALGORITHM:

STEP1: start

STEP2: declare variables unit and usage

STEP3: read the input variable ‘n’

STEP4: process the following

If units <=100

Energy charge=0, fixed charge=0, duty charge=0

If unit<=200

Energy charge =1.5\*(unit-100) , fixed charge =20 , duty charge =8

If unit<=500

Energy charge =3.5\*(unit-200) , fixed charge =30 , duty charge=4.8

If unit>>800

Energy charge=4.5\*(400)+6.0(unit-500) , fixed charge = 75 , duty charge = 100

STEP5: stop

RESULT:

Thus the algorithm and flowchart is written for the given problem