

(iv)

Algorithm for cie and SEE Marks :-

step-1 : SET $i = 1$.

step-2 : Repeat step-3 while $i \leq 5$.

step-3 : $i = i + 1$.

step-4 : PRINT ENTER YOUR MARKS IN CIE FOR
~~Set~~ SUBJECT(%d) : ~~x~~, i.

step-5 : IF $\text{cie_marks} \geq 0$ AND $\text{cie_marks} \leq 100$
PRINT The cie marks ~~of~~ for
subject(%d) is : %d, i, cie_marks

ELSE

PRINT Invalid Marks.

~~exit(c)~~

EXIT.

step-6 : IF $\text{SEE_Marks} \geq 0$ AND $\text{SEE_Marks} \leq 100$
PRINT The SEE Marks for subject(%d)
is : %d, i, SEE_Marks.

ELSE

PRINT Invalid Marks.

EXIT.

step-7 : SET $\text{SEE} = \text{SEE_Marks} / 2$ AND
 $\text{Total} = \text{SEE} + \text{cie_Marks}$.

step-8 : IF $\text{Total} \geq 90$
PRINT "S Grade".

ELSE IF (Total \geq 80 AND Total $<$ 90)
PRINT "A Grade".

ELSE IF (Total \geq 70 AND Total $<$ 80)
PRINT "B Grade".

ELSE IF (Total \geq 60 AND Total $<$ 70)
PRINT "C Grade".

ELSE IF (Total \geq 50 AND Total $<$ 60)
PRINT "D Grade".

ELSE IF (Total \geq 40 AND Total $<$ 50)
PRINT "E Grade".

ELSE
PRINT "F Grade".