**STEP 1: Start**

**STEP 2: Read the TypeOfQuestion**

**STEP 3: Read the manualDifficulty.**

**STEP 4: Read the total no.of students.**

**STEP 5: Declare variables easy,medium,hard and initialize them to zero.**

**STEP 6**

**STEP 6.1 : TimeTaken= average(time taken by all students)**

**STEP 6.2: If (timeTaken<(1/4)totalTime) then**

**Increment easy**

**STEP 6.3: If (timeTaken>(1/4)totalTime and timeTaken<(3/4)totalTime) then**

**Increment medium**

**STEP 6.4: If (timeTaken>(3/4)totalTime) then**

**Increment hard**

**STEP 7:**

**STEP 7.1: If (theTypeOfQuestion==”mcq”) then**

**NumberOfTimeChanged=average(no of times changed by all students)**

**STEP 7.1.1: If NumberOfTimeChanged==1 then**

**Increment easy**

**STEP 7.1.2: If NumberOfTimeChanged==2 then**

**Increment normal**

**STEP 7.1.3: If NumberOfTimeChanged>2 then**

**Increment hard**

**STEP 7.2: If (theTypeOfQuestion==”program”) then**

**NumberOfTimeCompiled=average(no of times compiled by all students)**

**STEP 7.1.1: If NumberOfTimeCompiled<=5 then**

**Increment easy**

**STEP 7.1.2: If NumberOfTimeCompiled<=10 then**

**Increment normal**

**STEP 7.1.3: If NumberOfTimeCompiled>10 then**

**Increment hard**

**STEP 8: Read the numberOfHintsUsed**

**STEP 8.1: IF numberOfHintsUsed<=(1/4)totalNumberOfHints then**

**Increment easy**

**STEP 8.2: IF numberOfHintsUsed>=(1/4)totalNumberOfHints and numberOfHintsUsed<=(3/4)totalNumberOfHints then Increment normal**

**STEP 8.3: IF numberOfHintsUsed>=(3/4)totalNumberOfHints then**

**Increment hard**

**STEP 9: If (theTypeOfQuestion==”program”) then**

**STEP 9.1: IF Language==’c’**

**Increment easy**

**STEP 9.2: IF Language==’c++’**

**Increment medium**

**STEP 9.3: else**

**Increment hard**

**STEP 10: Read the feedback**

**STEP 10.1: If (1/3 of students feedback is easy) then**

**Increment easy**

**STEP 10.2: If (1/3 of students feedback is Hard) then**

**Increment hard**

**STEP 10.3: Else**

**Increment medium**

**STEP 11: Read right,wrong,partial**

**STEP 11.1:If right>2\*wrong**

**Increment easy**

**STEP 11.2:If wrong>2\*right**

**Increment Hard**

**STEP 11.3: If right~wrong <(1/10)total student and partial<(1/10)total student**

**Increment normal**

**STEP 12: Print the maximum of easy,normal,hard.**