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**2021010084**

Structural Programming II

**Sheet 3**

**Multiple choice Question (MCQs): Answer**

1. c) Terminal
2. d) flowcharting
3. a) decision
4. b) diamond
5. d) all of the above
6. b) Terminal box
7. a) connector
8. c) input / output

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**Convert the following flowchart to pseudocodes: Answer**

1. flowchart(1)
2. SET sum = 0
3. SET count = 1
4. WHILE count<=20 THEN

IF is count even THEN

sum=sum+count

ENDIF

count=count+1

ENDWHILE

1. PRINT sum
2. STOP
3. flowchart(2)
4. INPUT n
5. SET k = 1
6. WHILE k<=n THEN
   1. INPUT name
   2. INPUT m1
   3. INPUT m2
   4. INPUT m3
   5. SET average= (m1 + m2 + m3)/3
   6. IF average > 50 THEN
      1. PRINT name, average, “Fail”
   7. ELSEIF average > 65 THEN
      1. PRINT name, average, “Pass”
   8. ELSEIF average > 75 THEN
      1. PRINT name, average, “Good”
   9. ELSEIF average > 85 THEN
      1. PRINT name, average, “Very Good”
   10. ELSE
       1. PRINT name, average, “Excellent”

ENDIF

* 1. K=k+1

ENDWHILE

1. STOP