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**Course:** Software Architecture

**Section:** BM

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**Organic**

1295.31153377

38.0752020868

**Semidetached**

**2462.79603094**

**Embedded**

**FP = UFP \* CAF**

**F = 14 \* scale**

**CAF = 065 + (0.01 \* F)**

**UFP = ()**

Calculate the Functional Point when user input = 50, User output = 50, User Inquires = 35, User file = 6, External Interfaces=4. Computer the FP all the complexity adjacent factor (CAF) and waiting factor are avg. (3)

Functional Unit Low Avg High

EI 3 4 6

EO 4 5 7

EQ 3 4 6

ILF 7 10 15

EIF 5 7 10

0 – no Influence

1 – Incidental

2 – Moderate

3 – Average

4 – significate

5 - Essitental

**Solution:**

**Q2.** A given project has 5 user input, 10 user output, 7 inquires , 5 files and 3 external interface All of these are average complexity except 2 input are complex, 2 of the output are complex and 1 of the output is simple Adjacent actor are all moderate, expect the system will iquire significant amount of data entry and its essential that code is designed with reuse in mind. Calculate the number of functional point for this system

**Data:**

UI = 5

UO = 10

UIF = 7

UF = 5

EI = 3

Scale = 2

F = 14 \* Scale

= 14 \* 2

F = 28.

**Solution:**

**CAP =** 0.65 + (0.01 \* 28)

CAP = 0.93

UAP = 176