Question set 06

Function points measure:

* SW size
* Source code length
* complexity

LOC measures:

* SW size
* Source code length
* complexity

Ratio between documentation and source code length is a metric of:

* Product
* Process
* Resource

Effort invested per FP during SW delivery is a metric of:

* Product
* Process
* Resource

Number of project managers with PM certification is a metric of:

* Product
* Process
* Resource

LOC is a metric that is:

* Programmer dependent
* Technology independent
* Hard to calculate

FP is a metric that is:

* Programming language independent
* Programmer dependent
* Programmer team size dependent

For two pieces of a program which execute the same function, when one is written in assembler and the other in Java, choose what is true:

* Program written in Java has more FP
* Program written in assembler has more FP
* Both programs have equal FP

For two pieces of a program which execute the same function, when one is written in assembler and the other in Java, choose what is true:

* Program written in Java has more LOC
* Program written in assembler has more LOC
* Both programs have equal LOC

Choose what is applicable to Halstead’s complexity:

* it is directly calculated from code sample
* same function written in different programming languages will have the same Halstead’s complexity
* it analyses the code sample as if it was a sentence

Related to Halstead’s complexity, what is true about Purity ratio:

* it compares actual code with estimated “ideal” code
* values above 1 are better than values below 1
* values close to 1 will cause problems with code readability

Cyclomatic complexity:

* Grows with decision points and loops
* Indicates how difficult it will be to test the SW
* Indicates the size of source code per individual independent paths through the program

Which of the following size-based SW metrics is the most difficult to calculate:

* SLOC
* FP
* Cyclomatic complexity

Which of the following SW metrics are complexity-based:

* Halstead’s
* McCabe’s
* KSLOC’s