FP - Scris MIE China Camelia 15.01.2018

1 Define the principle of cohesion.

Define layered architecture and what GRASP patterns mens be fulfilled. Give example.

3) a) def test the functions wring def in Porfect Square (m):

(4) a) What are the locals and globals of the following function.

b) what prints the fet, and why? Explain.

def f(x,y)global a a=2 b=3 c=4 x,y=y,xposimt (a,b,x,y) a,b,x,y=11,22,33,44 f(19,31)posimd (a,b,x,y)

(5) Using the UML diagram white the code for class Braduct. Anoduct - mame string - price: int flait - category: int + getName(): string + SetName (string) + get Price (): float + - take (): string + compare (Product): Book [6] Write Repository for class Product with a) CRUD operations b) two fets: rearch products with price above given limit search products from same category [7] Implement a function that sorts products (from previous exercise 5) by their price a) rellection root b) built-in python sost function (not specified if ascending) What is the complexity of the algorithm? Justify your answer