Note: Answer 4 equations.

Q1: Define as following: (12.5 Marks)
(a) Synthesis. (b) Computer Software. (c) Bath Tube Cure.
(d) Metrics. (e) Artificial Intelligence Software. (f) Throwaway Prototyping.

Q2: Find Cyclomatic Complexity in the follow code segment: (12.5 Marks)
For i=1 to max
    d(i) = inputbox("number")
next i
m=d(1)
n=d(1)
for j=1 to max
    if m>d(j) then m=d(j)
    if n<d(i) then n=d(i)
next j
print m," ", n
end

Q3: List the software process models, and briefly explain only any model is satisfy the needs of customer while at same time enable the developer to better understand what need to be done. (12.5 Marks)

Q4: Different between as following: (12.5 Marks)
A) Modeling. :: Partitioning.
B) Analysis Principle. :: Decomposition Techniques

Q5: A) What attributes of good software. (12.5 Marks)
B: What Characteristic of Software Engineer.

Good Luck and wishing to success

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