(5C7) Assignment-2 [dojmore Engineering (SF)] Name - Syeda Recha Anason Roll no. - 14114802719 anso can a system ever be completely execupled ? That is can the degree of coupling be reduced to much that there is no coupling between modules? No, we cannot make a system decoupled. Decoupling mean loosening the existing coupling. That is making sure each component knows as little as possible about the other component around it usually we cannot hemone coupling between components completely Ones a whose is the difference between flow chare and a stername chart? perogrammers often use it as a perogram planning look do som a problem It makes un g symbols which are connected among them to indicate the flow of infor mation processing. How chart is a convinier decimique to represent en flow control in a pengeram while a Algusture Chari gepresents the Thieragemental deservere that means the requires modules making up the system and me de alependency Structure want suprementation can be easily implemented using four in the summer chart is on my module structure

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of me sofmare. ans 3. What fordslems are likely to anice if two modules light compling? My A system with eigh compling means there are stering Interconnection among It's modules of two modules are concerned in high coupling, it means their is terdefence will be very light any mange applied to single module will affect the functionality of other -> Cracades the degree of Mange, greater will be effect on other -> As the dependence is ligher any modification will affect modules in a negative manner -> Maintaintability of me powject is decreased. - me remability of factor of individual module is decreased leading to insophis lated somere Ans 4. List me difference b/w CMM and ISO - 900 1.

Why is it suggested that CMM is better than Sy Iso only address minimum seriteoria for an exceptable quality system while CMM former sterictly on software processed material and services

ISO 9001 largests the manufacturing herocus although It also includes manufacturing devices but CMM offers model for judging die software perocesses rof an organisation and for identifying bey peractices

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required to inocease the materity. This is why CMM is better than ISO-9001.							
mic housing parameters for basic and logarith -							
Defermine the additional failure and additional							
Objective to 5 taxilizer 1000 means the failure intensity							
b) Reseat this for an of include 1 of or both models							
/ CPV hr. Assume mat me start hvim the initial							
failure intensity only.							
and was moved from the state of							
Basic execution time hogarithmic Porsson							
model enecution time model							
$\lambda = 10$ fai live /CPV hor $\lambda_0 = 30$ fai live /CPV hor							
V z 100 failures 0 = 0 - 25/failure							
bernand Leading of unespected separate							
am 4 Lus or departed by CMM and 250 - 7002							
Any Horal Vo -100 faiture							
M = 5 fai lures							
20 = 30 tailures / CPV hr							
by TEO only address nimming well and for an estaplable							
anditional faiture = Du = [vo] (x p- 2) anditional faiture = Du = [vo] (x p- 2) anditional faiture = Du = [vo] (x p- 2)							
a) (i) Basis enculión dine model							

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Ap (Powent failure Peternjig) the this case is same as to
(initial failure intensity)
Not he = Vo In [AP] - 100 / [10]
Now, De = $\frac{V_0}{h_0}$ Ln $\left[\frac{\lambda P}{\lambda F}\right] = \frac{100}{10}$ Ln $\left[\frac{10}{5}\right]$
= 6.93 CPV hr
ii) logarithmic enculin line model DM = film (AP)
DW = 1 Im (JP)
B TAF J
= 1 Lw P 30] = 71.67 failures
0.025
DZ = [] - [] = 50
$= 1 \ln \left[1 - 1 \right] = 6.66 CPD er$ $0.025 \left[5 30 \right]$
logarismème model has talendated more failure
The second of th
b) Faihre intensity objective (AF)=0.5 faihre /CPU hr a) DN= Vo (AP-AF).
- 100 (10 - D -) - 95 (1) 10
= 100 (10-0.5) = 95 fai was
1 N 7 = Vo lm T 2 p 7
DZ = Vo lm [AP]
= 100 en [10] = 30PV failures
10 0.05
is a logarithmer energy time model
in) lyasikme eneretter time model
DN = I la TAP 7

7P]

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666 DATE: 0.025 en [30 m] (30 m) = 164 failures Dr = 0.025 78.66 CPV / hr 111 1 (2) (1) (1) 1005 January (1) Williams TW ON 35 AM I have well realizable more liver with