Assignment - 1 Losswane Engineering ETCS 303 ] DATE: 23-10-240-21 Name - Syeda Reena Anasar Enrolment No. - 14714802719 Group - 5C7 Ans 1. SOFTWARE The instancy on that tell a computer whal no do is called sophiare ( Now so perform tasks) Set of instruction to acquire inputs and to manipulate mem so produce desired OJP in terms of function and performance as determined by my user of software. It also includes det of doccuments, such as software manual which helps wer underthand 6 the software system? SOFTWARE ENGINEERING Its the systematic application of engineering approaches No the development of softman. A software engineer is me person who applies the principles of Sophware engineering to design, denelop, maintain, test and evaluate computer software. Coysiematic application of engineering approaches or Software menodology SOFTWARE PROCESS. activities that leads to the parodsits a set of related shere achivities may involve withou of the dophrare development of software from scraker, or modifying an emiling system

UPF; unadjusted Fine" point come LVAF: value adjustment Factor E = 24 N = 2 f = 8Aus he given that Value of function. Pont & meteric = UPF X VAF Cont total + [0.65 +0.01 \* EFi] Complexi 14 Characterius Corne as C CA+ C Avg. (CA) No. 9 mar +/P 128 60 300 NO. 9 War 0/P 96 No. 9 Wer In gueris ( 9 O No. 9 files 14 No. 9 enternal interpaces Strestion discomplète med meight 608 -) .608 X (0.65 + 0.1 X SCH)) 608 x (0.65 + 0.1 x 42) ang com = 3 1+014 = 608 x [0.65 + 0.42] 1403 = 42 z 608 \* 1.07 \* 2 650,56 & A logical DFD can capture coverent and necessay activities required for a person. All new logical DFD models a new set of activities the surrent software, hordware and DB and people to cavery out the activities, new physical DPD models a new syrun implementation

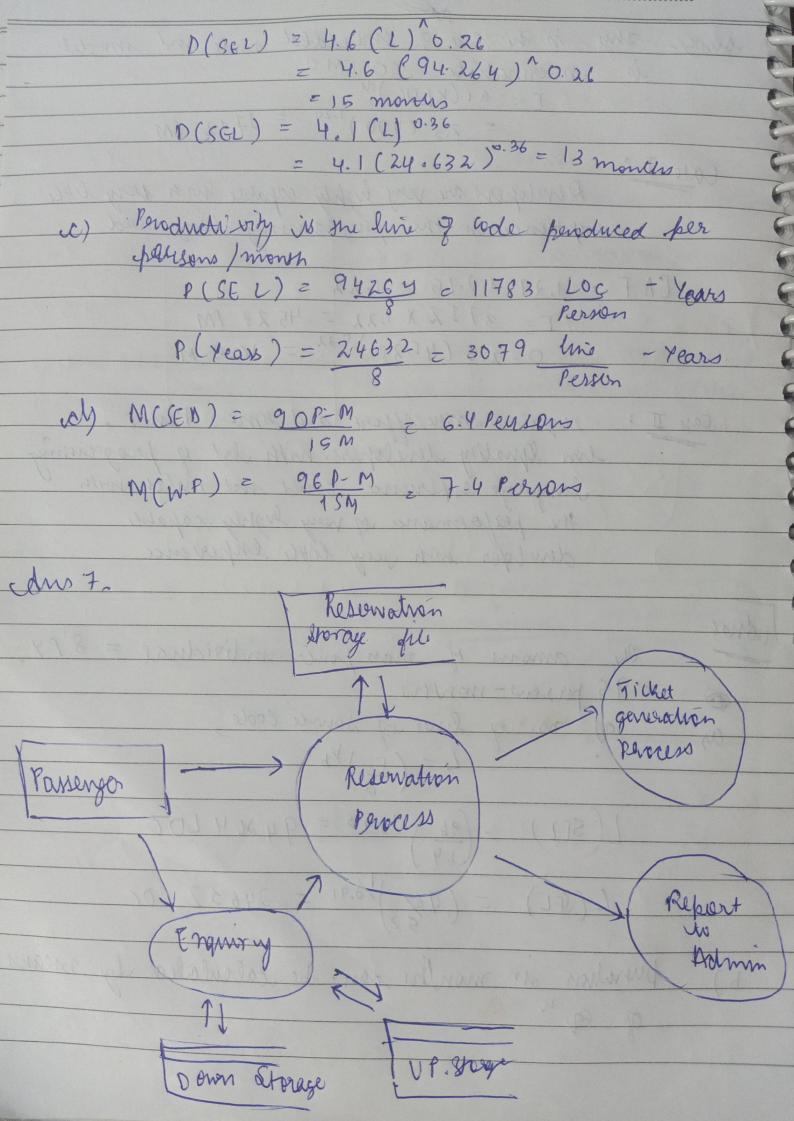
PHYSICAL DFD LOGICAL DED A type of DFD that deficts from the system is implemented Iron the busines operates - Focuses on System implemental - Focusses on business activities or manual perocedures my. ompuler files and paper files → A data store is a collection
of information -> congres - simple Ans 4 Order details Graduation Siper Enamy punchase Request Order

broker receipt System

4 vonformation Cap and gown Seller t order waters Stock State end live update Level 0

DATE:
surg. This is the case of embedded made and model
is intermediate COCOMO
is intermediate COCOMO E = ai(KLOC)di
$= 2.8 (400)^{1.20} = 3712 PM$
COMP I ?
Developers are very highly capable with yeary little
experience in the perogramming being used
A STATE OF THE STA
EAF = 1.29 10.95 = 1.22
E = 3712 x 1.22 = 4528 PM
0-2.5 (4528) 0.32 = 36.8 M
101101
case II : requires more effort and time. Hence.
low Quality developers. with let of perogrammy
lon Analing developers. with let of perogeranning language experience could not mater with
the performance of very lighty capable
the performance of very lighty capable developer with very little enfrerience
duna )
The amont of man poner-individual = 8 PY
= 96 persons-months
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ay w. y was sy so.
$L = \left(\frac{\varepsilon}{b}\right)^{\gamma}b$
1 (SEZ) = (96 ) Vo.93 = 94264 LOC
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L(SEL) = (96/)/0.91 = 24632 100 b) Duration in months ran be calculated by mean of eq. n



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Ans 8

Exerative anhancement mode might lead to difficulties on various simahain some q hum are

1. For frandling complex dependencies

w. In overall plan, an agile leader and agile PM practices is must without well it will not work

3. Strict delivery management dictates The Scope , met the deadline.

4- Depends heavily or unformer interaction, so if the customer is not clear team can be driven in wrong direction