

Question 11

Client &amp; Employee.

- \* Software Engineers should act in manner that the best interests of their employee & client.
- \* Software Engineer provide service, being honest, about any ~~for~~ their education and ~~senior~~ experience.
- \* Do not promote interest where adverse their employee or client, if higher concern is compromised in that ~~an~~ situation inform or client.

Product

Software Engineer should guarantee that their product and related modification meet the possible standard also make sure that cost is acceptable, high quality and reasonable schedule and ensure that product goals is achievable.

(1)



## Question: 2.

As per my knowledge, Fast is currently occupying optimising. As ~~they~~ their strategies, course plan and scheduled are well defined. All their work are in systematic order. Now they are focusing on improvement like by taking course feedback ~~but~~ which contain both teacher and course according to feedback they improve their ~~that~~ quality.

(2)



Question 3

- \* A social scientist spend a great time on how people actually work. Observe and analyze them.
  - \* Ethnographic studies have result that work is usually more complex than suggest by simple models.
- Disadvantage:

- 1) The main <sup>existing</sup> problem with ethnography is that the <sup>existing</sup> studies have some historical basis. But in software mostly history details are not relevant.
- 2) Time Consuming

Question No 4.

The Water fall model is suitable for this project

The Doone, is design for remote area and extreme weather condition. So, due to this first we have gather all requirement, ~~and~~ design and plan.



Date

Question 5

Side bar

tool

tip.

Home Page: (Student Portal)

Bread Crumbs.



Personal Info

Name, Roll#, point#

Stop

Drive Info

Phone#, point #

Car Color, Number plate.

Seats left graph:

\* Provide Bread Crumbs on top to reduce demand on short term memory.

\* Also provide tooltip on sidebar



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and highlight active ~~tab~~ tab in side bar, So ~~user~~ reduce short term memory.

On home page All the thing are in meaning full context like his own personal ~~with~~ info. On which he register point.

All possible driver detail which help him to contact driver.

### Question 6:

**Task Elaboration:** It help refine the processing task that are required for software. It mostly related to the interface <sup>and</sup> ~~with the system~~ human interaction with system.

**Object Elaboration:** This focuses on use case than user performed task from the use case and physical objects. the software engineers can see them as classes with each class having attributes and operation.

RC



## Question No 7:

1. Product Standard: Because change affect the product not process.
2. Process Standard: Because JIRA is a software is use for managing the task (process)
3. Product Standard: Because anything change in SRS will directly affect the product
4. Process Standard: Code review is a part of project management.
5. Process Standard: ~~Because~~

## Question No 8.

9: will make sure that the quality management and procedures should be documented in an quality manual. and certify

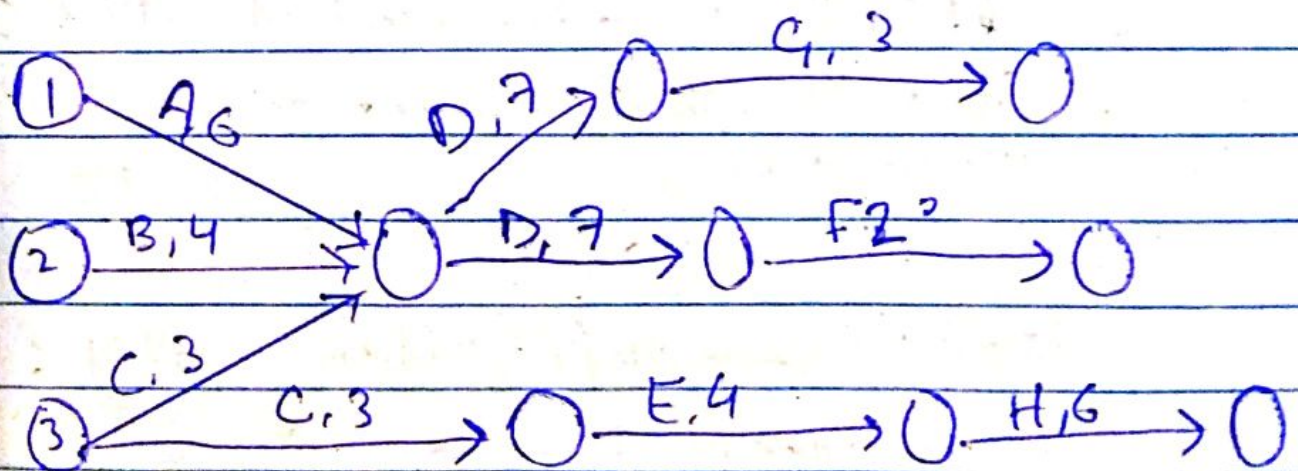
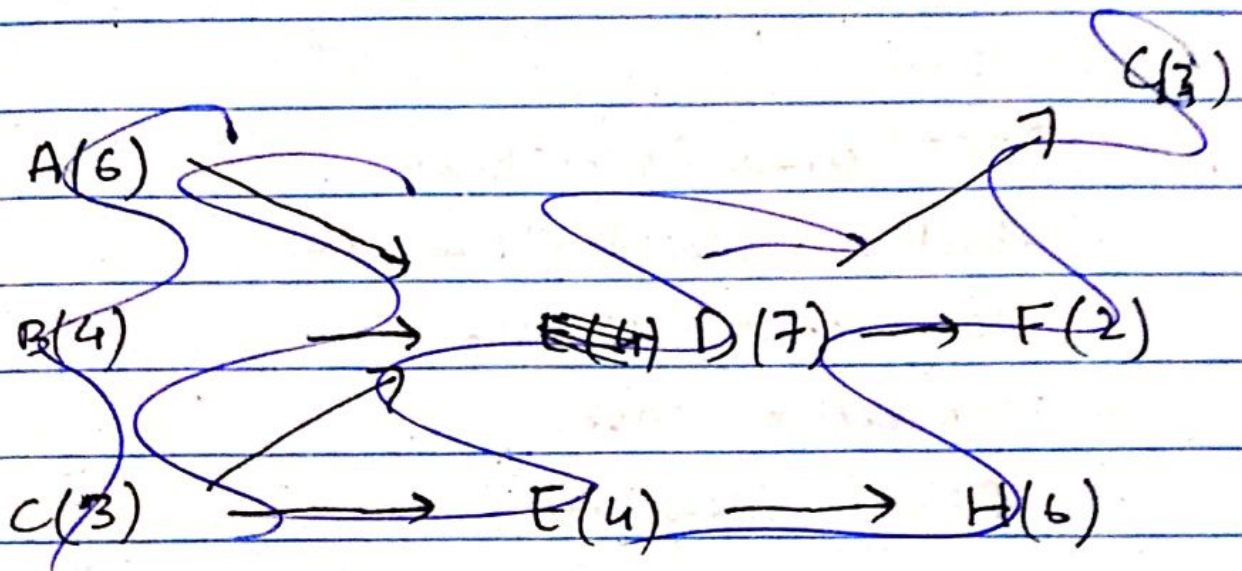


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Question. 9

a) Network diagram:



(b)



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(M) f

## Question 9.

(b) There are 7 Path:

$$A \rightarrow D \rightarrow F = 15$$

$$A \rightarrow D \rightarrow G = 16$$

$$B \rightarrow D \rightarrow F = 15$$

$$B \rightarrow D \rightarrow G = 16$$

$$C \rightarrow D \rightarrow F = 15$$

$$C \rightarrow D \rightarrow G = 16$$

$$C \rightarrow E \rightarrow H = 13.$$

Critical Path:  $A \rightarrow D \rightarrow G = 16$  weeks.

(c) Free float: 3 & total float: 0

(d) if Activity B takes 3 weeks longer than,

$$B \rightarrow D \rightarrow G$$

$$4 + 3 + 7 + 3 = 17 \text{ weeks}$$



9 (d)

0	A	6
0	6	6

13	F	15
14	2	16

6	D	13
6	7	13

13	4	16
13	3	16

0	B	4
2	4	6

0	C	3
0	3	3

3	E	7
6	3	10

7	H	13
10	6	16



Count Avg

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## Question 10

EI	4	*	4	=	16
EO	3	*	5	=	15
EQ	2	*	4	=	8
ILF	1	*	10	=	10
EIF	1	*	7	=	7
					<u>56</u>

EI ← ~~home~~ Reg page.

EO ← home page

EQ: Generate Challen

ILF: FeeChallen

EIF: Database.

$$FP = 56 * [0.65 + 0.01 * 24]$$

$$FP = 49.84$$



Question 11.

- LOC estimates variables to "size" each element
- By Count line of code its estimate cost.

\* Limitation:

- Its not clear how to count line of code.
- Different language leads to different length of code.



Question 13:Reactive Risk:

- Prevent threats from becoming incidents.
- Security incident investigation.

Proactive Risk:

- factory owner might recognize that his employee not working properly. Instead of waiting that can bear loss take proactive step to minimize.
- Wires are tangled in ~~road~~ building take proactive step for seperating <sup>to</sup> ~~or~~ not wait for incident happen.



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### Question 16 :

The reason that the testing is done by developer because he knows pros and cons of code and understand the code best. He has also an idea about what will work perfectly or which part of code is weak.

The reason that the testing should not be done by the developers themselves because it may create biasness. Because it only test the perfect part of code to make it successful.