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Q3)			
I.	What is meant by nonfunctional requirements? Give two examples.	(04 Marks)	
II.	Briefly explain requirement elicitation and analysis.	(04 Marks)	
III.	One of the most important goals of object oriented design is to have high cohesion		
	and loose coupling classes. What is the purpose of this?		
IV.	Identify the forest and it is set of the	(04 Marks)	
IV.	Identify the functionalities of the following system and write down the	m.	
	An Online Public Access Catalog (OPAC) is an e-Library website which	ch is part of	
	Integrated Library System (ILS), also known as a Library Management		
	(LMS), and managed by a library or group of libraries. Patrons of the li		
	search library catalog online to locate various resources - books, period		
	and visual materials, or other items under control of the library. Patrons	s may reserve	
	or renew item, provide feedback, and manage their account.		
		(05 Marks)	
V.	Briefly explain four best practices for designing user interface (UI).		
	explain four vest practices for designing user interface (O1).	(08 Marks)	
	(Te	otal 25 Marks)	
04)			
Q4)			
٩ I.	I. Define the term "software architecture". Write down three architectural patterns.		
		(05 Marks)	
II.	You are recruited as a project manager to develop LMS (Learning Management		
	System) to SLIATE. This LMS is used by the student, lecturers and administrators. Lecturers are upload learning materials as slide shows,pdf and video lessons. Students		
	are logging to the system and download the learning materials. What is best software		
	architectural pattern for the above problem? Justify your answer.	ocst software	
	arcintectural pattern for the new party	(04 Marks)	
III.	Compare the unit testing and integration testing.	(04 Marks)	
IV.	Briefly explain the following terms.		
	a. Black box testing	(0.63.6.1.)	
	b. White box testing	(06 Marks)	
3.7	The following table explains the activities, duration and dependencies.		
L V.	The following table explains the delivities, datation and expendences		

a. Draw the Activity on Arrow diagram.

b. Find the critical path of the project.

(04 Marks)

(02 Marks)

Task	Predecessors Tasks (Dependencies)	Time (Weeks)
A	-	2
В	-	3
C	_	4
D	A	5
E	В	6
F	В	5
G	C	7
H	D,E	7
I	G	3
J	F,H,I	4

(Total 25 Marks)

Q5)

- I. What is the purpose of configuration management? (02 Marks)
  II. Name four reasons for software maintenance. (04 Marks)
- Will. Briefly describe three types of maintenance. (06 Marks)
  - IV. What is meant by Programme restructuring? (03 Marks)
- V. Briefly explain Software forward-engineering and Re-engineering. (04 Marks)
  - VI. Briefly explain the following terms.
    - a. Code line and baseline
    - b. System building
    - c. Release management

(Total 25 Marks)

(06 Marks)