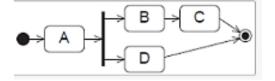
Software Engineering 1	Quiz (Group 1)	Time: 30 min.	Mark: 10
Name:	Department:	Section No: .	

Q1: For a library management system, classify each of the following requirements as (a) Security, (b) *Maintainability*, (c) *Performance, or* (d) *Usability*. [6 Marks]

- 1. The system should be accessible to users with varying levels of computer literacy.
- 2. Search queries for library materials should yield results within seconds to minimize wait times for members.
- **3.** The system should have robust measures to protect sensitive member information, such as addresses and borrowing history, from unauthorized access.
- 4. The system's code should support efficient future updates of library holdings and functionalities.
- 5. You are given the following activity diagram, which of the following action sequences are possible during one execution of the activity diagram?



 $(A) A \rightarrow B \rightarrow C$ $(B) A \rightarrow B \rightarrow D$ $(C) A \rightarrow D$ $(D) A \rightarrow B \rightarrow D \rightarrow C$

Q2: State the main activities of requirements elicitation and analysis process? [4 Marks]

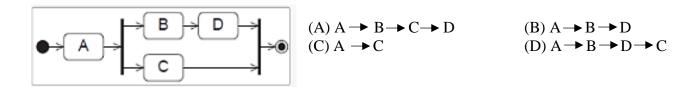
Software Engineering 1	Quiz (Group 1)	Time: 30 min.	Mark: 10
Name:	Departme	ent: Section No:	
Q1: Choose the correct ans	wer		[6 Marks]
1. The prototyping model o	f software development i	S	
(A) A reasonable approare well defined.	ach when requirements	(B) A useful approach w define requirements clea	
(C) The best approach t large development team	1 0	(D) None of choices	
2. An Extend is a relationsh execute than the other us	-	s showing that one use case	can take longer to
(A) True		(B) False	
3. Which is not a step of red	quirement engineering?		
(A) Requirements elicit	ation	(B) Requirements analy	sis
(C) Requirements desig	n	(D) Requirements docur	nentation
4. Identify the correct funct	ional requirement.		
(A) Robustness		(B) Portability	
(C) Maintainability		(D) None	
5. You are given the follow	ing activity diagram, wh	ich of the following action	sequences are possible
during one execution of t	he activity diagram?	-	-
5	, ,		
[]	я В (4	A) A → C	$(B) A \longrightarrow B \longrightarrow C$

(C) $A \rightarrow B$

(D) $A \rightarrow C \rightarrow B$

Software Engineering 1 Quiz (Group 1)	Time: 30 min. Mark: 10
Name: Departm	ent: Section No:
Q1: Choose the correct answer	[6 Marks]
1. In UML a guard condition is shown inside a decis	sion node as with flowchart?
(A) True	(B) False
2. Requirements elicitation means	
(A) Gathering of requirements	(B) Capturing of requirements
(C) Understanding of requirements	(D) All of the above
3. Infrastructure software is covered under which of	the following categories?
(A) Customized products	(B) Generic products
(C) Generic and customized products	(D) None
4. Identify a metric of the non-functional requirement	nt
(A) Standards	(B) Security
(C) Size	(D) None
5. You are given the following activity diagram, wh	ich of the following action sequences are possib

during one execution of the activity diagram?



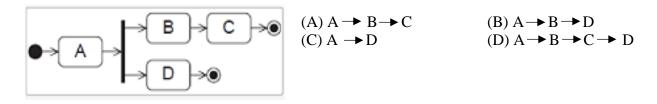
Q2: State the main activities of the incremental development model of the software development process? [4 Marks]

Software Engineering 1	Quiz (Group 1)	Time: 30 min.	Mark: 10
Name:	Department:	Section No:	

Q1: Classify the following as *functional / non-functional* requirements for a banking system?

[4 Marks]

- a) Verifying bank balance.
- b) Withdrawing money from bank.
- c) Completion of transaction in less than 1 second.
- d) Extending system by providing more tellers for customers.
- e) You are given the following activity diagram, which of the following action sequences are possible during one execution of the activity diagram?



Q2: State the different techniques used for requirements discovery? [4 Marks]