

University of Palestine
Faculty of Applied Engineering and Urban Planning

Course Name	التحليل و التصميم الشيني			Course No.	SWEN 3412
Academic Year	2018/2019	Semester	2nd	Exam Type	2ndMidterm
Exam Date	16/04/2019		Exam Time	9am – 11am	

اسم الطالب (بالعربي):		الرقم الجامعي:	
اسم المدرس: د. عبد الحميد زغير	رقم الشعبة: 101	وقت المحاضرة:	الرقم المتسلسل:

Important Instructions

- ***This is a closed-book exam; all related material must be placed away from your desk.***
- ***Cell phone use is prohibited for any purpose: Your cell phone must be turned off and placed off of the desk. Cell phones may not be accessed during the exam. Failure to comply may be treated as a violation of the Honor Code.***
- ***Headphones of any kind are not permitted.***
- ***This exam is 60 minutes long.***
- ***Make sure that you have 4 pages including this page.***
- ***This exam has 10 essay questions. Read each question carefully before answering.***
- ***Calculators can be used but cannot be shared.***
- ***When you finish, you must:***
 - ***Check that you have written your information in the spaces provided.***
 - ***Give the exam package (all papers) to the proctor before you leave.***

For Teacher's Use Only**For Proctor's Remarks**

QN	KPI/ILO	SO	DL	Mark	Weight
1	B1	g	4		10
2	B2	j	4		10
3	B4	c	3		5
4	B6	b	3		5
Total					30

[illegible]

KPI: Key Performance Indicator, ILO: Intended Learning Outcomes, SO: ABET Student Objectives, DL: Difficulty Level (1. Very easy, 2. Easy, 3. Moderate, 4. Somewhat hard, 5. Hard, 6. Very Hard)

First Question (2.5)

For each of the following statements state whether it is true or false:	T	F
1. Behavioral diagrams emphasize the things that must be present in the system being modeled.		
2. All objects in an activity diagram must be mentioned in an event of the use-case description		
3. Most relationships in the use-case description must be depicted on the use-case diagram		
4. The sequence of the use-case description should match the sequence in the activity diagram		
5. Association classes are used only to include attributes that describe a relationship		

Second Question (2.5)

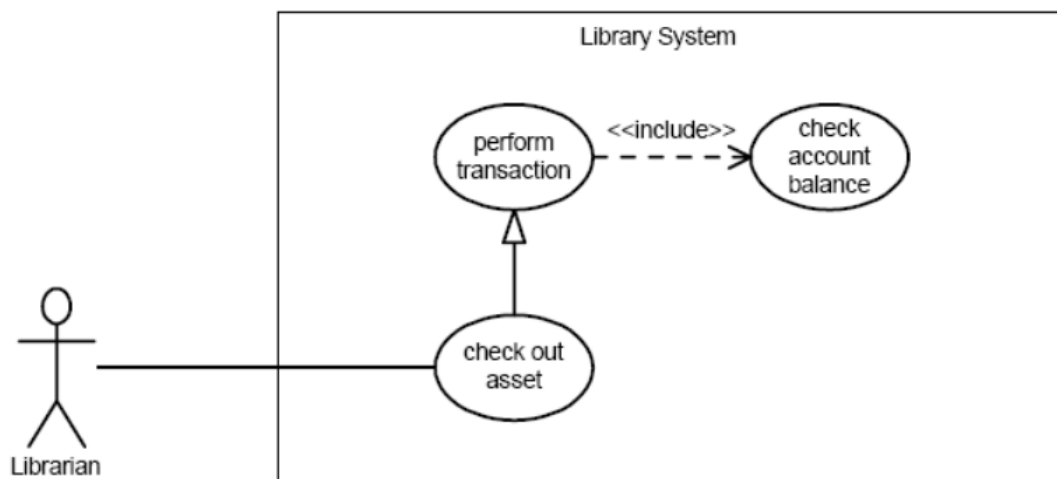
<u>Choose the right answer for each of the following:</u>			
1. For showing scenarios, which one of the following UML is the MOST useful?			
a.Activity Diagrams	b. Use Cases	c. Class Diagrams	d. Sequence Diagrams
2. When you want to look at the behavior across many use cases or many threads, which one of the following UML is the MOST useful?			
a.Activity Diagrams	b. Use Cases	c. Class Diagrams	d. Sequence Diagrams
3. Activity diagrams CANNOT be used in the following situation :			
a. Analyzing a use case		c. Dealing with multithreaded applications	
b. Understanding workflow		d. Representing complex conditional logic	
4. Which is true about the Activity diagrams?			
a. shows behavior with control structure		c. shows behavior with control structure	
b. encourages parallel behavior		d. All (a, b, c).	
5. Focus is on the to-be system—little time spent on the current system:-			
a. Business Process Reengineering		c. Business Process Improvement	
b. Business Process Automation		d. none	

Third Question

A. Write the term for each of the following sentences: (5)

1. _____ is used in process flow diagrams, or flowcharts, that visually differentiates job sharing and responsibilities for sub-processes of a business process.
2. _____ is Communication between the use case and the actors.
3. _____ is visible only to an instance of the class in which they are defined.
4. _____ is Properties that describe the state of an instance of a class.
5. _____ A set of written questions used to obtain information from individuals.

B. Create use case description that contains the following:(ID, Name, Primary Actor, Stakeholders, relationships, Basic Flow, Extensions)for (perform transaction)use case in use case diagram below(2.5)



Fourth Question(2.5)

Explain relationships in the Class Diagram withdrawn and give an example for each relationship.

Good Luck
