National University of Computer and Emerging Sciences, Lahore Campus

	Course:		Course	
		Professional Issues in IT	Code:	CS449
	Program:	BS(Computer Science)	Semester:	Fall-19
	Duration:	1 Hr	Total Marks:	36
	Paper Date:	07-11-2019	Weight	15 %
	Section:	All	Page(s):	4
	Exam Type:	Midterm-2		

Student: Name:_____ Roll No._____ Section:_____

Instruction/Notes: **Provide precise answers in the given space. Longer answers will be discarded. Think carefully before writing an answer. Use of calculator is allowed.**

Read the Instructions carefully

Q 1: Answer following questions:

(6 marks)

Define job evaluation

_____

_____

Name and define the two schemes used of job evaluations

1._____

_____

2._____

_____

Q 2: Consider Scrum process framework and answer the following questions

(6 marks)

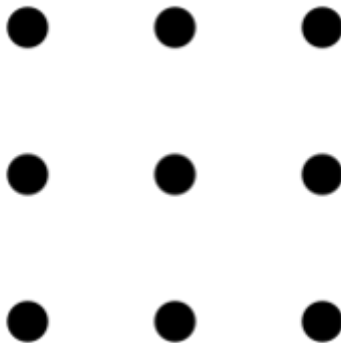What is the difference between "Product Backlog" and "Sprint Backlog"?

_____

_____

_____

Does the framework allows changing the requirements in Product Backlog and why?

_____

_____

Does the framework allow changing the requirements in Sprint Backlog and why?

_____

_____

[Bonus Question] Q 3: By thinking "outside the box" devise a solution to the following problem:

(4 marks)

Link all 9 dots using four straight lines or less, without lifting the pen.

●   ●   ●

●   ●   ●

●   ●   ●

Q 4: Usually technical resources underestimate the effort required to complete a task. List top three aspects related to professional software development that they overlook while estimating?

(6 marks)

1. _____

2. _____

3. _____

Q 5: What is Continuous Integration?

(4 marks)

_____

_____

_____

Q 6: Define following

(4 marks)

Opportunity Cost

_____

_____

Inflation

_____

_____

Q 7: You have the choice of buying a car today at $14000 vs buying it on installments with an immediate down payment of $4000 and yearly installments of $2000 over next 6 years. Perform a Discounted Cash-flow Analysis to find which option gets you better value for your cash given interest rate of 7%.   (10 marks)