


Course No: ITGD 2101  
Course Title: Business System  
Analysis and Design  
Date: 12 / 01 / 2012  
No. of Questions: 3 Questions  
Time: 2 hours  
Using Calculator (No)

University of Palestine  
  
Final Exam  
1<sup>st</sup> semester 2011/2012  
Total Grade: 100

Instructor Name: Mrs. Eman Alajrami  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: \_\_\_\_\_  
Dep. / Specialist: \_\_\_\_\_  
Using Dictionary (No)

**First Question** **No. of Branches (1)** **10 Marks**

(A) Put (√) or (X) for each of the following statements:

- 1) The business use-case model is a diagram illustrating the scope of the business being modeled. ( )
- 2) A primary actor is an actor that the system initiates an interaction with, once the use case has already started ( )
- 3) In the exception flow there is often no convergence point ( )
- 4) In DFD Data flows to Entities must come from Processes ( )
- 5) If a user only receives reports from the system, that user is not an actor ( )

**Second Question** **No. of Branches (2)** **15 Marks**

(A) Define the following:

1. Skills Risks

\_\_\_\_\_

2. Alternate Flows

\_\_\_\_\_

3. Decision Tree

\_\_\_\_\_

4. Use case package

\_\_\_\_\_

5. Case worker

\_\_\_\_\_

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**(B) Answer only 5 questions of the following:**

**(30 Marks)**

1. Draw a decision tree for the following decision table?

What to do today?								
	1	2	3	4	5	6	7	8
Is today a weekday?	y	y	y	y	n	n	n	n
Is today a holiday?	n	n	y	y	y	y	n	n
Is it raining?	y	n	y	n	y	n	y	n
Go to work	1	1						
Go on a picnic				1		1		1
Watch sports on TV			1		1		1	

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2. How can you model Actors with Overlapping Roles? And how can you model Actors with Partially Overlapping Roles?

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3. When Are Decision Tables Useful?

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3. Draw the activity diagram for the previous withdrawal process.

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3. A magazine is published monthly and is sent by post to its subscribers. Two months before the expiry of subscription, a reminder is sent to the subscribers. If subscription is not received within a month, another reminder is sent. If renewal subscription is not received up to two weeks before the expiry of the subscription, the subscriber's name is removed from the mailing list and the subscriber informed. (a) Draw a context diagram for this problem.
- (b) Draw a level 1 data flow diagram for this problem.

End of Questions  
Good Luck