

Course Title: Business Systems
Analysis & Design
Date: 27 /11/ 2014
No. of Questions: 3 Questions
Time: 1 hour
Using Calculator (No)

University of Palestine

Midterm Exam
1st semester 2014/2015
Total Grade: 20

Instructor Name: Eng. Eman Alajrami
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

First Question	No. of Branches (1)	5 Marks
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(A) Put (√) or (X) for each of the following statements: (2.5)

- 1) ITBA is someone who works within the context of the business. ()
- 2) Any attribute or operation that applies to the generalized class also applies to the specialized class. ()
- 3) A business object is something the business must keep track of, or that participates in business processes. ()
- 4) A system use case is an interaction with a business system. ()
- 5) The purpose of the initiation phase in B.O.O.M is to get a rough cut at the business case for a proposed IT project. ()

(B) Define the following: (2.5)

1. A business model:

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2. BRD/Analysis:

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3. Generalization

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4. SDLC:

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5. Opportunity Evaluation:

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Second Question	No. Of Branches (5)	(12 Marks)
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Answer the following questions:

1. What happens during initiation phase and what is the deliverable of this phase? (3 marks)

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2. Compare between Structured walkthrough interviews and JAD. (3 marks)

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3. If you know that Cars are kind of Transportation tools and each Car has an Engine and you need to create classes for that case: (3 marks)

a) How many classes you need? What are they? (1 mark)

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b) Define one attribute and one operation for each class. (1 mark)

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c) What is the relation between the classes? (1 mark)

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4. What Happen during Analysis phase? What is the deliverable of it? (3 Marks)

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Third Question	No. of Branches (1)	3 Marks
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Draw a use case diagram for the following Registration system:

A student may register for classes during a specified registration period. To register, a student must see their advisor. **The advisor** must approve each course that the student has selected. **The advisor** will use the registration system to determine if the student has met the course prerequisites, is in good academic standings and is eligible to register. If the advisor approves the courses, the advisor enters the student's college id into the course registration system. The course registration number for each course is entered. The course description, course number and section for those courses will automatically display. The system will check for schedule conflicts before saving the registrations. A bill for the courses will print in the Bursar's office. The student should proceed to pick it up.

Faculty can use the registration system to check enrollments in their classes, get a class list, check a student's transcript, look up a student's phone number and other such student information.

The registrar can use the registration system to enter new classes for an upcoming semester, cancel a class, and check conflicts in classroom/faculty assignments.

Admissions use the registration system to add new students.

Enrollment services use the registration system to report on retention, update student information, and check fulfillment of graduation requirements for those students planning to graduate.

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End of Questions
Good Luck