



Instructor Name: Asaad altayyan  
Student No.: \_\_\_\_\_  
Student Name: \_\_\_\_\_  
College Name: IT  
Dep. / Specialist: \_\_\_\_\_

Course Title: **Advanced DB**  
Date: 11/09/2018  
No. of Questions: 2  
Time: 2 hours  
Using Calculator (No)

Final Exam  
3<sup>rd</sup> semester 2017/2018  
Total Grade: 50

**Question 1:** **(30 marks)**

- 1. Construct and compare **triggers** and **Stored Procedures** in a database application. Illustrate your answer with examples. **(4 mark)**

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- 2. Why is it important to have data and database administration specialists from the point of view of efficiency in job specialization? **(4 mark)**

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- 3. Describe the star schema, fact tables, and dimension tables. **(4 mark)**

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University of Palestine



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4. List the types of functions and description . (3 mark)

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5. List the types of SQL server backup approaches and Explain why backup and recovery is important. (4 mark)

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6. what is it categories of triggers? (Three categories) **(3 mark)**

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7. Create in current database by using the CREATE TRIGGER statement ? just Syntax **(4 mark)**

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8. DBMS is likely to have an effect on people, functions and interactions why ? **(4 mark)**

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**Question 2:** (20 marks)

**Borrowing**

<u>BorrowId</u>	<u>BorrowDate</u>	<u>ReturnDate</u>	<u>ISBN</u>	<u>StudentId</u>
1	1-Jul-02	31-Ogos-04	4521409875	S76
2	1-Sep-02	1-Sep-04	9856214047	S76
3	1-Sep-02	10-Jun-04	4521409875	S56
4	10-Okt-02	1-Dis-05	9856214047	S56
5	1-Jan-02	10-Ogos-02	1000254478	S56

**Books**

<u>ISBN</u>	<u>BookName</u>	<u>NoOfCopy</u>	<u>PubId</u>
4521409875	Java Programming	3	CO40
9856214047	Oracle Database	5	CO93
1000254478	Android Programming	4	CO93

Consider a database containing the tables above and answer the following questions:  
 Create an **updateBook** stored procedure to update the book data. You should consider some business requirement.

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