

Course No: GTEC4320E
Course Title: Advanced Database
Date: 20/05/2019
No. of Questions: 4
Time: 2 hours

University of Palestine



FinalExam
2ndSemester 2018/2019
Total Grade:30

Instructor Name: Dr. Mohammed Awad
Student No.: _____
Student Name: _____
College Name: IT
Dep. / Specialist:

Question One:

(10 marks)

What does each of the following terms mean?

ETL:

Stored Procedure:

Function:

View:

BI:

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Question Two:

(5 marks)

Based on the figure below, write the SQL code that generates the view of the first 3 columns of the following table:

St_ ID	SEM	LECTURE	Teaching_ Assistant	CLASSROOM
1001	6	Algorithm	A	107
1017	5	DB	B	103
1109	3	MOBILE	C	106
1001	6	Maths	E	108
1017	5	cs	D	104
1017	5	DB	B	107
1108	3	MOBILE	C	105
1111	3	Maths	E	110

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Question Three:

(7 marks)

Based on the stored procedure concepts you have learnt during this semester, answer A, B and C:

A. Write a stored procedure code (the name of the stored procedure is *GetSalary*) that enables you to query the Payroll table from the Employees database, but instead of getting back all records, limit it to just a particular city.

B. Write the code that calls the stored procedure created in (a)

C. Write the code that drops the stored procedure created in (a)

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Question Four:

(8 marks)

What are the steps that every data warehouse project should go through; starting from extracting the data from data sources till reaching the statistical report creation? List these steps with some explanation about each step. Then, sketch the whole process in one diagram.