

Course Title: Topics in CS 1  
Date: 26/ 5 / 2015  
No. of Questions: 3 Questions  
Time: 2 hours  
Using Calculator (Yes)

University of Palestine



Final Exam  
2<sup>nd</sup> semester 2014/2015  
Total Grade: 50

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

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First Question	No. of Branches (2)	30 Marks
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Define the following:

(10 Marks)

1. Information Retrieval:

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2. Data mining:

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3. Regression:

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4. Similarity:

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5. Coverage:

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**(B) Answer the following questions: (20 Marks)**

1. What are the drawbacks of Boolean model?

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2. What is the difference between Descriptive and Predictive Data Mining?

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3. Describe the relation between Precision, Recall and Fallout and show how they affect each other?

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4. What is the difference between Clustering and Classification?

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

1. The following table shows the output of an information retrieval system on a query. The total number of relevant documents is 10. Relevant documents are marked by X.  
a. Fill the table.

Rank	Query	Recall	Precision	Fallout
1	-			
2	X			
3	-			
4	-			
5	-			
6	-			
7	X			
8	-			
9	X			
10	X			

Calculate the interpolated precision:

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