

HADHRAMOUT UNIVERSITY OF SCIENCE & TECHNOLOGY

Faculty of Science

Subject: Principle of Database

Department of Science

Lecturer: Dr. Faiz A.K. Bazanboor

Date: 31.12.2012

Time: 1 Hour

Level: 2nd

Max Marks: [15]

First is compulsory

Choose any two question with first question

Q1. Attempt any four

[5 Marks]

Define the following terms (answer should not exceed two lines)

- | | |
|-----------------------|------------------------------|
| a. <i>entity</i> | b. <i>derived attribute</i> |
| c. <i>Primary Key</i> | f. <i>Composed Attribute</i> |

Q2. Attempt any two of the following

[5 Marks]

- A. When inconsistencies happen?
- B. What is database security?
- C. What is database abstraction?

Q3. Solve the following questions

[5 Marks]

- A. Write a note on entity
- B. Describe the difference between Dense and Sparse?

Q4. Buildup tables of the following *library system, Author table, Books Table, Publisher Table, and Subject table.*

- Show the necessary attribute of each table.
- Buildup the relation between the tables.
