## 國立成功大學九十五學年度碩士班招生考試試題

編號: と353 系所:會計學系乙組

科目:資料庫管理系統

本試題是否可以使用計算機: □可使用 , □不可使用 (請命題老師勾選)

## 一 選擇題 (每題3分)

- 1) A database system contains not only the database itself but also a complete definition or description of the database structure and constraints. The latter is often store in a
  - A. data warehouse
  - B. data model
  - C. system catalog
  - D. none of the above
- 2) Which of the following is not provided by typical DBMS to help database users manage and use a database?
  - A. controlling redundancy
  - B. managing virtual memory
  - C. enforcing integrity constraints
  - D. restricting unauthorized access
- 3) In which of the following databases can users define operations on data as part of the database definitions?
  - A. Relational database
  - B. Hierarchical database
  - C. Network database
  - D. Object-oriented database
- 4) In many DBMSs, DBA uses which of the following languages to define conceptual and internal schemas?
  - A. Data definition language
  - B. Procedural language
  - C. Functional language
  - D. None of the above
- 5) A relationship between the instances of one entity type is called a(n) \_\_\_\_\_\_ relationship.
  - A. binary
  - B. unary
  - C. ternary
  - D. primary
- 6) If you want to eliminate duplicate tuples when wring a SQL query, which of the following keyword must be used in the SELECT clause?
  - A. UNIQUE
  - **B. DISPARATE**

"背面仍有题目、諳繼續作签)

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	C. NO	DUPI	LICATES			
	D. DIS	STINC	T			
7)	We use C	GROUI	PBY clause	e in SQL to pa	rtition tuples into groups. If we want	
every resulting group to satisfy certain condition, which SQL clause is needed?						
	A. SAT	ISFY		•		
	B. SUC	CH TH	AT			
	C. HA	VING				
	D. WIT	ΓH				
8)	Which of	f the fo	llowing rel	ational algebra	a operators is especially useful to express	
	the following kinds of queries: Find the names of students who have taken all					
			by Profess	or Lee?		
	A. Un					
	B. Join					
	C. Sel					
_,	D. Div					
9) Why is tree-based indexing in widespread use?						
			• . •	election and ra	nge selection efficiently.	
	<ul><li>B. It is easy to use.</li><li>C. It is better than hash index in every respect.</li></ul>					
			tnan nasn i e above	ndex in every	respect.	
10)		-		n access nath	in query evaluation?	
10) What is the selectivity of an access path in query evaluation?  A. Relevance of pages retrieved with respect to our query						
B. Number of pages retrieved if we use this access path to retrieve all desired						
	tuples					
C. Number of records retrieved if we use this access path to retrieve all desired						
	tuples					
	•		e above			
= For each of the terms in the left-hand column below, select the term in the						
right-hand column that best matches it. (每題 3 分)						
	Pa	_		A. Isolat:		
	Fa				data into memory/write data to disk	
-	LR				of information read from or written to disk	
	Inte			-	l-size data partitions over multiple disks	
_			inager			
_	Da	_	ing anomalies		onal algebra operator ther of children for a non-leaf node	

create table Departments (did char(8), (背面仍有題目,請繼續作祭)

name char(20), primary key(ssn))

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name char(20), primary key(did))