BCA

SECOND SEMESTER RELATIONAL DATABASE MANAGEMENT SYSTEM BCA- 202

Duration: 2 Hrs. 40 Mins. Marks: 50

Part: A (Objective) = 20 } Part: B (Descriptive) = 50

[PART-B: Descriptive]

[Answer question no. One (1) & any four (4) from the rest]

1. What is the significance of using an ER Diagram in a database? Write down the symbols used in ER Diagram. Draw an ER Diagram for Hostel Management System

2+4+4= 10

- What do you mean by hashing? Explain the hash functions and collision resolution techniques with examples.
- 3. What are the types of statements used in SQL. Explain all the types along with examples. 3+7=10
- Why constraints are necessary to use in DBMS. Explain the different constraints of DBMS.

 2+8=10
- 5. Why normalization is used? Explain all types of normal forms along with the examples.

 4+6=10
- 6. What is a view? Define the types of view along with its restrictions. 3+7=10
- 7. What is the use of concurrency control in DBMS? Write the syntax to lock a table.

 Give example. How a lock can be released?

 3+3+2+2=10
- 8. Explain the relational operators along with example.

BCA

SECOND SEMESTER

RELATIONAL DATABASE MANAGEMENT SYSTEM

	RELATIONAL DATA	BCA-202	EIVI
	[<u>PAF</u>	RT-A: Objective]	
	Duration: 20 Mins.		Marks: 20
Cŀ	noose the correct answer from the follo	wing:	1×20=20
ι.	The is an ordered file with primary key & the second is the pointed a. Clustering index		o fields-first field is the
	c. Primary index	d. All of them	
2.	In a hash function, where the modificates into the set L of memory address a. K:H— a. K:H— c. H:L K		on from the set K of
3.	The database administrator is the focu a. Distributed c. Centralized	s of the control. b. Decentralized d. DBMS	
1.	The 'like' predicate is used for pattern		
	a. Duplication c. Differentiation	b. Matchingd. Colliding	
5.	The is a desirable p	property of transaction.	
	a. Isolation c. Durability	b. Atomicity d. All of the above	
5.	An entity that does not have a key attr		
	a. Weak entity types c. Null attribute	b. Entity typesd. Derived attribute	
7.	In SQL, function has a special of a relation.	meaning in that it counts the	number of rows
	a. Count(fieldname)	b. Count(*)	
	c. Both a & b	d. None of them	

8 is a unique ident	ifier created by the DBMS to identify a translation.
a. Locking	b. Timestamp
c. Two phase locks	
9. A view is a table that	is one which actually does not exist.
a. Physical	b. virtual
c. distinct	d. log
10. The key is the one w	which must be unique within the domain and must always
have a value.	Their must be unique within the domain and must always
a. Candidate	b. Foreign
c. Unique	d. primary
c. Olique	d. printary
11. The RDBMS minimizes the	of data.
a. Consistency	b. Redundancy
c. Sharing	d. cardinality
12. In, database	is used for keeping records of calls made, generating
	ances on prepaid calling cards & storing information about
the communication networks	nices on prepara canning cards & storing information about
a. Telecommunic	eations b. Airlines
c. Reservations	d. Transportation
c. Reservations	u. Huispoittion ———
13. Address is an example for	
a. Composite	b. Unique
c. Not null	d. Primary
14. Database System supports one	physical schema, one conceptual schema and several
a. Logical	b. Subsystem
c. Storage mana	ger d. Recovery manager
15. The acronym ACID is sometim	nes used to refer to the of transaction.
a. Begin	b. End
c. Four properti	
16 COI	Political Control of the Control of
	y divided into major categories with regard to their
functionality.	h Turo
a. One	b. Two
c. Three	d. Four
17. A is an association amo	ng several entities.
a. Relationship	b. Key
c. Partial key	d. Entity

	model based on a perception of	of the real world that consists of a set of basic	С
· ·	a. Entities	b. Relations	
	c. Attributes	d. Primary key	
19. A	DBMS is the system i	f many users can use the system.	
	a. Single user	b. Multi user	
	c. Anyone of a and b	d. Both a & b	
20. Color of the	car & degrees of students are ex	•	
	a. Null	b. Derived	
	c. Single valued	d. Multi valued	
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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



Question Paper CUM Answer Sheet

[PART (A) : OBIECTIVE]

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> The paper contain > The student shall v > The student shall such act. > Hand over the qu	Instructions / Guides twenty (20) / ten (10) questions write the answer in the box where not overwrite / erase any answ	elines it is provided.
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Scrutinizer's Signature Examiner's Signature Invigilator's Signature