Hall Ticket No.: | | | | | | | | | | |

SRIT R19

SRINIVASA RAMANUJAN INSTITUTE OF TECHNOLOGY

(AUTONOMOUS)

II B. Tech I Sem – Continuous Internal Examinations I – Dec 2020

DATA BASE MANAGEMENT SYSTEMS

[194GA05302]

(Computer Science and Engineering)

Time: 2 hours **SET – 1** **Max. Marks: 30**

Answer the following questions

Q. No		Questions	Unit	Marks	CO	Cognitive Level
1	a)	Define DBMS.	1	2	I	Remember
	b)	Define Foreign key.	2	2	IV	Remember
	c)	Define Weak entity set.	3	2	II	Remember
UNIT-1						
2	a)	Explain overall structure of Database Management Systems.		4	I	Understand
	b)	Describe the Functions of a DBA.		4	I	Understand
OR						
3	a)	Explain the advantages of using a DBMS over File Processing System.		4	I	Understand
	b)	Explain the applications of Database Systems.		4	I	Understand
UNIT-2						
4	a)	Explain in detail about nested Queries with examples.		4	IV	Apply
	b)	Illustrate Comparison operator with examples.		4	IV	Apply
OR						
5		Implement Insurance Database Using CREATE statements by considering Primary key and Foreign key Constraints. **person (driver id, name, address)** **car (license, model, year)** **accident (report number, date, location)** **owns (driver id, license)** **participated (report number, license, driver id, damage amount)**		8	IV	Apply
UNIT-3						
6		Draw an E-R diagram for student information system and identify the derived and composite attributes, the strong and weak entity sets and relationships		8	II	Apply
OR						
7	a)	Explain about attributes and entity sets.		4	II	Understand
	b)	Describe the notational conventions used in ER model.		4	II	Understand

Prepared by

Name of the Faculty: **Mr. M. Narasimhulu, Assistant Professor, CSE**

Signature of the Faculty:

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(AUTONOMOUS)

II B. Tech I Sem – Continuous Internal Examinations I – Dec 2020

DATA BASE MANAGEMENT SYSTEMS

[194GA05302]

(Computer Science and Engineering)

Time: 2 hours **SET – 2** **Max. Marks: 30**

Answer the following questions

Q. No		Questions	Unit	Marks	CO	Cognitive Level
1	a)	Classify Data Models.	1	2	I	Remember
	b)	Classify Aggregate Functions in SQL.	2	2	IV	Remember
	c)	Classify Attributes with examples.	3	2	II	Remember
UNIT-1						
2	a)	What are Database languages and explain?		4	I	Understand
	b)	Describe Database users		4	I	Understand
OR						
3	a)	Explain the architecture of a Database with a neat Diagram.		4	I	Understand
	b)	Explain Data Abstraction.		4	I	Understand
UNIT-2						
4	a)	Explain various built-in aggregate functions in SQL with examples.		4	IV	Apply
	b)	Discuss about data manipulation commands in SQL with syntax and examples.		4	IV	Apply
OR						
5		Implement Banking Database Using CREATE statements by considering Primary key and Foreign key Constraints. **branch(<u>branch name</u>, branch city, assets)** **customer (<u>customer name</u>, customer street, customer city)** **loan (<u>loan number</u>, branch name, amount)** **borrower (<u>customer name</u>, <u>loan number</u>)** **account (<u>account number</u>, branch name, balance)** **depositor (<u>customer name</u>, <u>account number</u>)**		8	IV	Apply
UNIT-3						
6		Draw E-R diagram for university Enterprise.		8	II	Apply
OR						
7	a)	Explain various cardinalities that are supported by the crow's foot notation.		4	II	Understand
	b)	Explain in detail about entity, entity set, relationships and relationships sets.		4	II	Understand

<u>Prepared by</u>

Name of the Faculty: **Mr. M. Narasimhulu, Assistant Professor, CSE**

Signature of the Faculty: