

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)
SCHOOL OF COMPUTING
DEPARTMENT OF CSE

VTU R 15

Model Laboratory Exam
B.Tech. - CSE

Course Category: Program Core

Duration: 2 Hours

Course Code/Course Title: 1151CS303 / DATABASEMANAGEMENT SYSTEM LAB **Max.Marks: 25**

Semester: SUMMER/ 2021-2022

Batch:Remodel

Date : 10-12-2021 FN

Model exam Online link (if applicable, shorten URL only): <https://tinyurl.com/>

Achievable Course Outcomes

CO1	Infer database language commands to create simple database	S3
CO2	Analyze the database using queries to retrieve records	S3
CO3	Applying PL/SQL for Processing database	S3
CO4	Analyze front-end tools to design forms, reports nad menus	S3
CO5	Develop solutions using database concepts for the real time requirements	S3

Rubrics for Model Laboratory examination as per VTU-R15 regulation

Rubric measure	Performance of Conducting Experiment	Result Analysis	Viva-Voce	Total Marks
Marks allotted in Maximum	15	5	5	25

Course outcome wise Rubrics

Rubric measure③/ Course Outcome	Performance of Conducting Experiment	Result Analysis	Viva-Voce
CO1	3 marks	1mark	1mark
CO2	3 marks	1mark	1mark
CO3	3 marks	1mark	1mark
CO4	3 marks	1mark	1mark
CO5	3 marks	1mark	1mark
Total	15 marks	5 marks	5 marks
Grand Total	25 marks		

Signature (s):



Examiner-1

Name (s) :

K.Sri Raman

Examiner-2

Note; in case of online mode conduct of exams, examiner has to give digital signature across places.

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Achievable Course Outcomes

CO1	Infer database language commands to create simple database	S3
CO2	Analyze the database using queries to retrieve records	S3
CO3	Applying PL/SQL for Processing database	S3
CO4	Analyze front-end tools to design forms, reports nad menus	S3
CO5	Develop solutions using database concepts for the real time requirements	S3

Database to be used:

COLLEGE DATABASE:

STUDENT(USN, SName, Address, Age, Phone, Gender)

SEMSEC(SSID, Sem, Sec)

CLASS(USN,SSID)

SUBJECT(Subcode, Title, Sem, Credits)


INTMARKS(USN, Subcode, SSID, UT1, UT2, MT1, MT2)

		Answer the following based on above given relation	Marks	Course Outcome
1		1) Create table on Student, Class, Subject. 2) Alter relation with any key constraint / integrity constraint 3) If a relational table is satisfying 2NF and not in 3NF, what is the process for normalizing relational table? Give example. 4) Insert 3 records into tables above 5) Update query on Student 6) Update SEMSEC to SEM=3 for SSID=7 7) Delete a Student with USN=8849 8) Update Credits=3 for Subject Title = DBMS 9) Delete a student with USN=5674 10) Delete Subject with Subcode=1151CS501 11) Saving and Undoing a transaction 12) alter Student table to add foreign constraint using sql command	3 mark	CO1
2	A	1) Find how many number of Students reside in location <i>Hyderabad</i> . 2) List all the records of male students 3) Display all the Subjects with 3 credits 4) Display the UT1 marks of a selected student, if the USN is given by the user. 5) Display details of student whose name is AMIT and age greater than 20 6) Retrieve average age of all students 7) Retrieve number of students whose MT1 marks is less than 15 8) Retrieve total marks of students which is greater than >40	1 mark	CO2

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	B	<ol style="list-style-type: none"> 1) Retrieve the marks of all students reside in Hyderabad 2) Display all the Students who reside in Delhi and is above 18 years of age. 3) Display all the subject titles which have students with age greater than 19. 4) Display the details of every class and student 5) List all the records consisting of SName, Subcode of all female students. 6) Display all students with a Name starting with "a": 7) Display all students with a Name Ending with "a": 8) Display all students with a Name that have "o" in the second position: 9) write SQL statement selects all students with a Name that starts with "a" and ends with "d" 10) Write a query to display the name for those students who registered for SSID 56. 11) Write a query to display the USN, Sname, Age for all students in the sem=2 12) Write a query to display all the information of the students whose age is within the range 17 and 20 	2 mark	CO2
3		<ol style="list-style-type: none"> 1. Write a program in PL/SQL to print the prime number 2. Write a program in PL/SQL to print the Armstrong number 3. Write a function to find odd numbers in USN (student id) 4. Write a trigger to insert contact with 10 digit or not 5. Write an exception to find number even numbered SSID 6. Write an exception handling to find number entered with 10 digit or not 	3 mark	CO3
4		<p>Develop Java based / oracle form/report builder based application for display the contents of</p> <ol style="list-style-type: none"> 1. Student table 2. Subject table 3. IntMarks table 	3 mark	CO4
5		<ol style="list-style-type: none"> 1. Create a well-formed XML document containing details of a Student like: USN, Sname, Address 2. Create a well-formed XML document containing details of a Subject like: Subcode, Title, Credits 3. Create a well-formed XML document containing details of IntMarks like: USN, Subcode, UT1, UT2, MT1, MT2 4. Develop Java based / oracle form/report builder based application for the updating and retrieving records from database. 	3 mark	CO5

Signature (s): 
Name (s) : **K.Sri Raman**

Examiner-2

Note; in case of online mode conduct of exams, examiner has to give digital signature across places.

Model Laboratory Exam- Attendance Sheet

B.Tech. - CSE

Course Category: Program Core

Duration: 2 Hours

Course Code/Course Title: 1151CS303 / DATABASEMANAGEMENT SYSTEM LAB Max.Marks: 25

Semester: SUMMER/ 2021-2022

Batch:Remodel

Date : 10-12-2021 FN

S No	VTUID	REGD No	Name	Set No	Booklet No	Signature
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

No. of students Registered:

No of Students present:

No of Students Absent:

Signature (s):

Name (s) :



Examiner-1

K.Sri Raman

Examiner-2

Ms. J.Swapna

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Model Laboratory Exam- Result Analysis
B.Tech. - CSE

Course Category: Program Core

Duration: 2 Hours

Course Code/Course Title: 1151CS303 / DATABASEMANAGEMENT SYSTEM LAB **Max.Marks: 25**

Semester: SUMMER/ 2021-2022

Batch: ReModel

Date : 10-12-2021 FN

S No	VTUID	Name	Year	Total Out of 25 marks
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				

III IV Total

No. of students Registered:

No of students Passed:

No of students failed:

No of students secured less than 18 marks:

No of students secured between 18 and 20 marks:

No of students secured between 21 and 22 marks:

No of students secured 23 marks:

No of students secured 24 marks:

No of students secured 25 marks:

Signature (s):
Name (s) :


Examiner-1
K.Sri Raman

Examiner-2

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B.Tech. - CSE

Course Category: Program Core

Duration: 2 Hours

Course Code/Course Title: 1151CS303 / DATABASEMANAGEMENT SYSTEM LAB **Max.Marks: 25**

Semester: SUMMER/ 2021-2022

Batch:L-5

Date : 10-12-2021 FN

SET-1

Rubric measure	Performance of Conducting Experiment out of 15 M	Result Analysis out of 5 M	Viva-Voce out of 5 M	Total Marks out of 25 M
Marks allotted				

Database to be used:

COLLEGE DATABASE:

STUDENT (USN, SName, Address, Age, Phone, Gender)

SEMSEC (SSID, Sem, Sec)

CLASS (USN, SSID)

SUBJECT (Subcode, Title, Sem, Credits)

INTMARKS (USN, Subcode, SSID, UT1, UT2, MT1, MT2)

		Answer the following based on above given relation	Marks	Course Outcome
1		1) Create table on Student, Class, Subject. 2) Alter relation with any key constraint / integrity constraint 3) If a relational table is satisfying 2NF and not in 3NF, what is the process for normalizing relational table? Give example.	3 mark	CO1
2	A	1) Find how many number of Students reside in location <i>Hyderabad</i> .	1 mark	CO2
	B	1) Retrieve the marks of all students reside in Hyderabad 2) Display all the Students who reside in Delhi and is above 18 years of age.	2 mark	CO2
3		1. Write a program in PL/SQL to print the prime number	3 mark	CO3
4		Develop Java based / oracle form/report builder based application for display the contents of 1. Student table 2. Subject table 3. IntMarks table	3 mark	CO4
5		1. Create a well-formed XML document containing details of a Student like: USN, Sname, Address	3 mark	CO5

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B.Tech. - CSE

Course Category: Program Core

Duration: 2 Hours

Course Code/Course Title: 1151CS303 / DATABASEMANAGEMENT SYSTEM LAB **Max.Marks: 25**

Semester: SUMMER/ 2021-2022

Batch:L-5

Date : 10-12-2021 FN

SET-2

Rubric measure	Performance of Conducting Experiment out of 15 M	Result Analysis out of 5 M	Viva-Voce out of 5 M	Total Marks out of 25 M
Marks allotted				

Database to be used:

COLLEGE DATABASE:

STUDENT (USN, SName, Address, Age, Phone, Gender)

SEMSEC (SSID, Sem, Sec)

CLASS (USN, SSID)

SUBJECT (Subcode, Title, Sem, Credits)

INTMARKS (USN, Subcode, SSID, UT1, UT2, MT1, MT2)

		Answer the following based on above given relation	Marks	Course Outcome
1		1) Create table on Student, Class, Subject. 2) If a relational table is satisfying 2NF and not in 3NF, what is the process for normalizing relational table? Give example. 3) Insert 3 records into tables above	3 mark	CO1
2	A	1) Retrieve number of students whose MT1 marks is less than 15	1 mark	CO2
	B	1) Display all students with a Name that have "o" in the second position: 2) write SQL statement selects all students with a Name that starts with "a" and ends with "d"	2 mark	CO2
3		1. Write a trigger to insert contact with 10 digit or not	3 mark	CO3
4		Develop Java based/ oracle form/report builder based application for display the contents of 1. Student table 2. Subject table 3. IntMarks table	3 mark	CO4
5		1. Create a well-formed XML document containing details of a Subject like: Subcode, Title, Credits	3 mark	CO5

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Semester: SUMMER/ 2021-2022

Batch:L-5

Date : 10-12-2021 FN

SET-3

Rubric measure	Performance of Conducting Experiment out of 15 M	Result Analysis out of 5 M	Viva-Voce out of 5 M	Total Marks out of 25 M
Marks allotted				

Database to be used:

COLLEGE DATABASE:

STUDENT (USN, SName, Address, Age, Phone, Gender)

SEMSEC (SSID, Sem, Sec)

CLASS (USN, SSID)

SUBJECT (Subcode, Title, Sem, Credits)

INTMARKS (USN, Subcode, SSID, UT1, UT2, MT1, MT2)

		Answer the following based on above given relation	Marks	Course Outcome
1		1) Create table on Student, Class, Subject. 2) If a relational table is satisfying 2NF and not in 3NF, what is the process for normalizing relational table? Give example. 3) alter Student table to add foreign constraint using sql command	3 mark	CO1
2	A	1) Display details of student whose name is AMIT and age greater than 20	1 mark	CO2
	B	1) Write a query to display the USN, Sname, Age for all students in the sem=2 2) Write a query to display all the information of the students whose age is within the range 17 and 20	2 mark	CO2
3		1. Write a function to find odd numbers in USN (student id)	3 mark	CO3
4		Develop Java based / oracle form/report builder based application for display the contents of 1. Student table 2. Subject table 3. IntMarks table	3 mark	CO4
5		1. Create a well-formed XML document containing details of IntMarks like: USN, Subcode, UT1, UT2, MT1, MT2	3 mark	CO5