	UPES UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, July 2020

Course: Mainframe DBMS   Semester: IV
Program: B.Tech. (CSE) with Spl. in Mainframe Technology   Time: 02 hrs.
Course Code: CSMT3003   Max. Marks: 100

Instructions:

UPES   Neeraj Chugh 173 ▾

My Institution   Courses   Community

H   Tests, Surveys and Pools   Tests   **Test Canvas : End_Sem_MDBMS_4Sem_July14**   Edit Mode is: ●ON   ?

X

This Test has 18 attempts. For information on editing questions, click **More Help** below.

Test Canvas: End_Sem_MDBMS_4Sem_July14

The Test Canvas lets you add, edit and reorder questions, as well as review a test. _More Help_

	Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description	
Instructions	
Total Questions	60
Total Points	100

⌄

Select: All   None   Select by Type: - Question Type -

Delete and Regrade   Points   Update and Regrade   Hide Question Details

1. Multiple Choice: What values does the count(*) functio...   Points: **2**

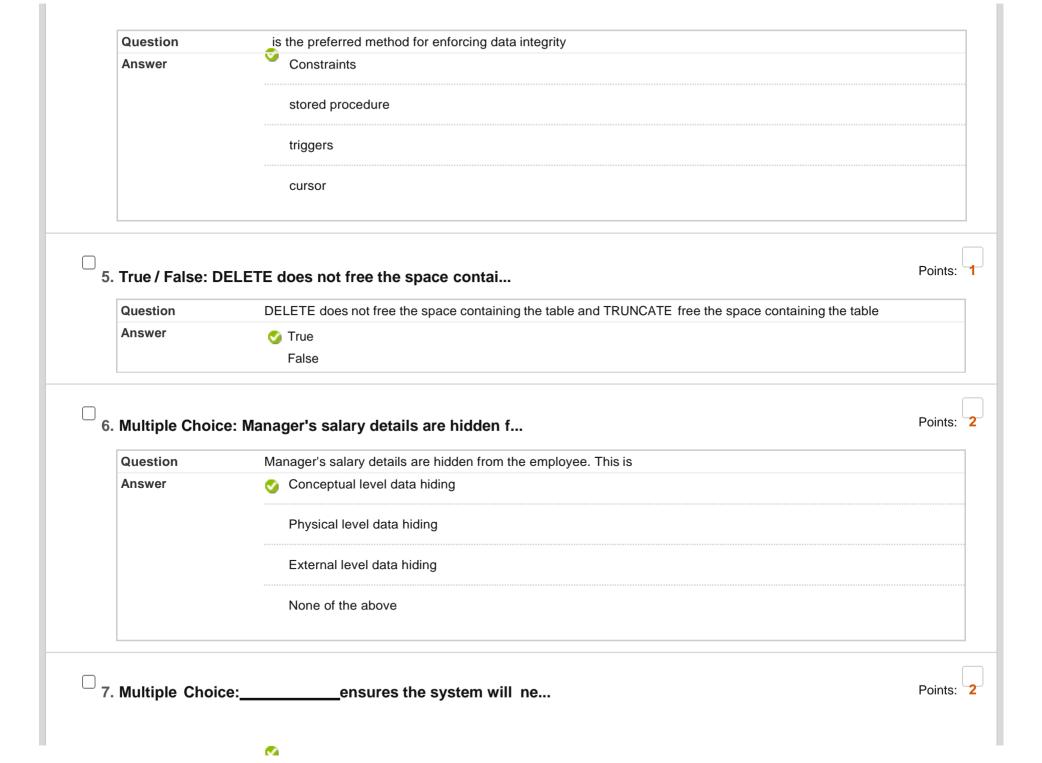| Question	What values does the count(*) function ignore?
Answer	Repetitive values

Null values

Characters

Integers

2. Multiple Choice: What is the function of the not null ...

4. Multiple Choice: is the preferred method for ...

3. Multiple Choice: DBMS is a collection of .. that e...

Points: **2**

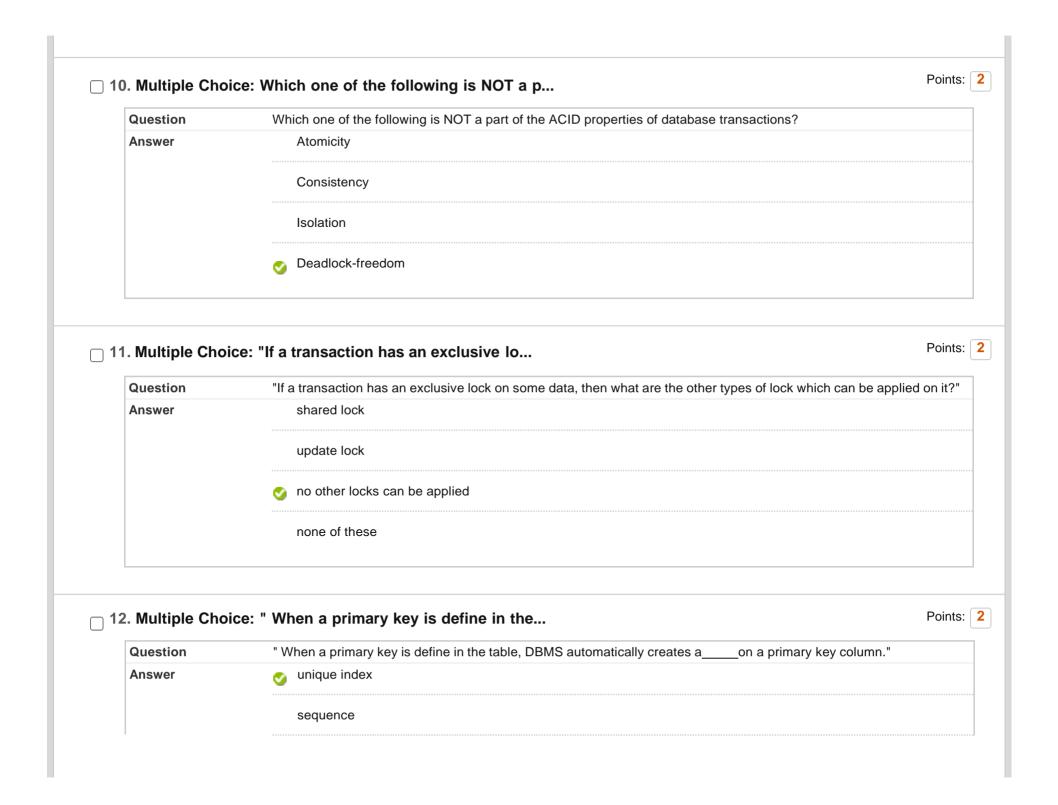|	
Question	What is the function of the not null constraint?
Answer	It prevents illegal data from being entered into the database
	It ensures that data is entered into the database
	It ensures that the data entered is unique
	None of the mentioned

Points: **2**

Question	DBMS is a collection of .. that enables user to create and maintain a database.
Answer	Keys
	Translators
	Program
	Language Activity

Points: **2**

Question	is the preferred method for enforcing data integrity
Answer	✅ Constraints
	stored procedure
	triggers
	cursor

5. True / False: DELETE does not free the space contai...

Points: **1**

Question	DELETE does not free the space containing the table and TRUNCATE free the space containing the table
Answer	✅ True
	False

6. Multiple Choice: Manager's salary details are hidden f...

Points: **2**

Question	Manager's salary details are hidden from the employee. This is
Answer	✅ Conceptual level data hiding
	Physical level data hiding
	External level data hiding
	None of the above

7. Multiple Choice:_____ensures the system will ne...

Points: **2**

✅

Question	_____ensures the system will never enter a deadlock state is called.
Answer	Deadlock prevention

Deadlock detection

Deadlock elimination

Deadlock recovery

☐

8. Multiple Choice: Two phase locking permits releasing a...

Points: **2**

Question	Two phase locking permits releasing all locks at the _____
Answer	beginning of transaction
	during execution of transaction
	✓ end of transaction
	never in the life time of transaction

☐

9. Multiple Choice: "Consider the following four schedule...

Points: **2**

Question	"Consider the following four schedules due to three transactions (indicated by the subscript) using read and write on a data item x, denoted by r(x) and w(x) respectively. Which one of them is conflict serializable(a/b/c/d). (a) r1(x);r2(x);w1(x);r3(x);w2(x) (b) r2(x);r1(x);w2(x);r3(x);w1(x) (c) r3(x);r2(x);r1(x);w2(x);w1(x) (d)r2(x);w2(x);r3(x);r1(x);w1(x)"
Answer	a
	b
	c
	✓

d

10. **Multiple Choice: Which one of the following is NOT a p...**

Points: **2**

Question	Which one of the following is NOT a part of the ACID properties of database transactions?
Answer	Atomicity
	Consistency
	Isolation
✅	Deadlock-freedom

11. **Multiple Choice: "If a transaction has an exclusive lo...**

Points: **2**

Question	"If a transaction has an exclusive lock on some data, then what are the other types of lock which can be applied on it?"
Answer	shared lock
	update lock
✅	no other locks can be applied
	none of these

12. **Multiple Choice: " When a primary key is define in the...**

Points: **2**

Question	" When a primary key is define in the table, DBMS automatically creates a_____on a primary key column."
Answer ✅	unique index
	sequence

triggers

Suynonym

---

13. **Multiple Answer: Identify all similar terms out of these**

Points: **2**

Question	Identify all similar terms out of these
Answer	✅ index
	✅ table
	✅ view
	attribute

---

14. **Multiple Choice: Identify dissimilar term out of these**

Points: **2**

Question	Identify dissimilar term out of these
Answer	schema object
	index
	tables
	✅ Database Administrator

---

15. **True / False: Synonyms are similar to aliases.**

Points: **1**

Question	Synonyms are similar to aliases.
Answer	✅ True
	False

16. True / False: A logical classification of objects i...

Points: **1**

Question	A logical classification of objects in the database provided by a Schema
Answer	✅ True
	False

17. Multiple Choice: What is a foreign key?

Points: **2**

Question	What is a foreign key?
Answer	A foreign key is a primary key of a relation which is an attribute in another relation
	A foreign key is a superkey of a relation which is an attribute in more than one other relations
	✅ A foreign key is an attribute of a relation that is a primary key of another relation
	A foreign key is the primary key of a relation that does not occur anywhere else in the schema

18. Multiple Choice: Which one of the following is correct?

Points: **2**

Question	Which one of the following is correct?
Answer	Each candidate key is a primary key
	Each primary key is a foreign key
	Each foreign key must refer a primary key of a relation.
	✅

Each foreign key refers a candidate key in a relation.

19. True / False: Foreign key serves the same purpose a...

Question	Foreign key serves the same purpose as primary key
Answer	True
	✅ False

20. True / False: linear logging process don t creates...

Question	linear logging process don t creates a new log file when the last log file is filled
Answer	True
	✅ False

21. Multiple Answer: Select all those are true for Off-lin...

Question	Select all those are true for Off-line archived logs
Answer	✅ Archived logs are the log files that are copied from the active log path to other location.
	✅ Databases that use archive logging are called recoverable.
	✅ "With this type of logging, both offline and online backups of the database are allowed."
	An online backup is possible only if the database is configured for archive logging.

22. True / False: INSTEAD OF triggers differ in purpose...

Question	INSTEAD OF triggers differ in purpose and functionality from the general purpose modification triggers
Answer	✅ True
	False

Points: **1**

Points: **1**

Points: **1**

Points: **2**

Points: **1**

Question	The source code for an external stored procedure is separate from the definition
Answer	✅ True
	False

24. True / False: Circular logging is not the default l...

Points: **1**

Question	Circular logging is not the default logging strategy used for a database.
Answer	True
	✅ False

25. True / False: A mismanaged DB2 storage can end up i...

Points: **1**

Question	A mismanaged DB2 storage can end up in system outages
Answer	✅ True
	False

26. True / False: The task of database administrator an...

Points: **1**

Question	The task of database administrator and storage administrator are same.
Answer	True
	✅ False

27. True / False: "Table spaces are VSAM linear data se...

Points: **1**

Question	"Table spaces are VSAM linear data sets (LDS),"
Answer	✅ True
	False

28. Multiple Choice: Data tablespaces can be divided into ...

Question	Data tablespaces can be divided into_____groups
Answer	✅ 2
	3
	4
	none of these

29. Multiple Choice: "_____is an IBM data managem...

Question	"_____is an IBM data management, backup, and storage management software for IBM mainframes."
Answer	RACF
	✅ DFSMS
	PROCLIB
	none of these

30. True / False: "When the storage group allocates dat...

Question	"When the storage group allocates data sets, the list of volumes is passed in the _____ to Data Facilities."
Answer	True
	✅ False

Points: **2**

Points: **2**

Points: **2**

Points: **1**

Question   "Prior to DB2 9, the size of an index page was limited to_____KB"

Answer	6 ✓
	4
	2
	1

32. Multiple Choice: QMF can execute only_____SQL an...

Points: **2**

Question	QMF can execute only_____SQL and it does not support_____SQL.
Answer	✓ "dynamic,static"
	"static,dynamic"
	"Implicit,explicit"
	"explicit,implicit"

33. Multiple Choice: In application programming DCLGEN use...

Points: **2**

Question	In application programming DCLGEN used to create_____.
Answer	✓ COBOL equivalent code of SQL code
	SQL equivalent code of COBOL
	SQL code

none of these

34. Multiple Choice:_____is an application program...

Points: **2**

Question	_____is an application programming interface (API) that C and C++ application programs can use to access relational databases.
Answer	✓ ODBC
	JDBC
	bind package
	none of these

35. Multiple Choice: provide a way for your program to se...

Points: **2**

Question	provide a way for your program to select multiple rows of data from the database and then process each row individually.
Answer	PL/SQL Trigger
	✓ PL/SQL Cursors
	PL/SQL Select
	PL/SQL Process

36. Multiple Choice: EXECUTE IMMEDIATE is a_____type o...

Points: **2**

Question	EXECUTE IMMEDIATE is a_____type of SQL
Answer	✓ Dynamic SQL

DCL
DML

DDL

☐

37. Multiple Choice: Archive log data sets are created_____...

Points: **2**

Question	Archive log data sets are created_____by DB2 when an active log is filled.
Answer	Manualy
	✅ automatically
	explicitly
	none of these

☐

38. Multiple Choice: An index space is physically represen...

Points: **2**

Question	An index space is physically represented by one or more_____data sets
Answer	✅ VSAM LDS
	KSDS
	RRDS
	none of these

☐

39. Multiple Choice: DB2 uses the_____to manage r...

Points: **2**

Question	DB2 uses the _____ to manage recovery and other DB2 subsystem-wide information.
Answer	KSDS

✅

BSDS

RRDS

none of these

☐

40. True / False: Capacity planning for entire environm...

Points: **1**

Question	Capacity planning for entire environment is responsibility of Database Administration.
Answer	True
	✅ False

☐

41. True / False: Disk and tape device management is ma...

Points: **1**

Question	Disk and tape device management is management is responsibility of Database Administration.
Answer	True
	✅ False

☐

42. True / False: Authorization is the first security a...

Points: **1**

Question	Authorization is the first security attribute you'll see when you try to gain access to a DB2 database.
Answer	True
	✅ False

☐

43. Multiple Answer: Advantages are supplied by Row-level ...

Points: **2**

Question	Advantages are supplied by Row-level and column-level access control are:_____(select all that match).

Answer	Database level security
	"Multiple access levels based on users, groups, or roles"

Row-level and column-level access control with filtering and data masking

✅ all of these

---

44. Multiple Answer: Database failures occur when either o...

Points: **2**

Question	Database failures occur when either of the below-mentioned ones happens(select all that match).
Answer	✅ When wrong input was given to the process
	✅ When a wrong order was followed by the Administrators.
	✅ Programs or scripts are scheduled to run at a wrong time
	✅ Programs or scripts manually executed without understanding the time dependency

---

45. True / False: DB2 can not only read data in the bac...

Points: **1**

Question	DB2 can not only read data in the background but also write data in the background.
Answer	✅ True
	False

---

46. Multiple Choice: DB2 provides_____for preser...

Points: **2**

Question	DB2 provides_____for preserving recently accessed table and index pages in virtual storage.
Answer	index space
	✅

buffer pools

table space

none of these

47. Multiple Choice: "During compilation of an SQL stateme...

Question	"During compilation of an SQL statement, the SQL_____calculates the execution cost of various ways of fulfilling the request."
Answer	✅ optimizer
	Initiator
	creator
	none of these

48. Multiple Choice: The LBAC system creating security lab...

Question	The LBAC system creating security label components is configured by the_____.
Answer	Operator
	✅ administrator
	Application programmer
	none of these

49. Multiple Answer: The LOAD utility is used to perform__...

✅

Question	The LOAD utility is used to perform_____(select all that match)
Answer	bulk inserts to DB2 tables

add rows

retain the current data and replace existing rows with the newly created data

none of these

50. Multiple Choice: "For data initialization, the_____...

52. Multiple Answer: LOAD DATA generates one or more of th...

51. Multiple Answer: LOAD utility can be used to do the fo...

Points: **2**

Question	"For data initialization, the_____utility is generally more efficient and less error-prone than a corresponding application program."
Answer	load
	Intialize
	declare
	update

Points: **2**

Question	LOAD utility can be used to do the following_____(select all that match).
Answer	Compress data and build a compression dictionary
	Convert data between compatible data types and between encoding schemes
	Load multiple tables in a single table space
	all of the above

Points: **2**

Question	LOAD DATA generates one or more of the following forms of output
Answer	✅ A loaded table space or partition
	✅ A discard file of rejected records
	not loaded tablespace
	loaded table space

53. True / False: The UNLOAD online utility helps to un...

Points: **1**

Question	The UNLOAD online utility helps to unload data from one or more source objects to one or more BSAM sequential data sets in external formats.
Answer	✅ True
	False

54. True / False: "With UNLOAD, you can unload rows fro...

Points: **1**

Question	"With UNLOAD, you can unload rows from an entire table space."
Answer	✅ True
	False

55. Multiple Answer: "With the REORG utility, you can_____...

Points: **2**

Question	"With the REORG utility, you can_____(select all that match)"
Answer	✅ Delete rows using the DISCARD option
	✅ Compress a table space
	✅

Move objects to other DASD volumes

Strip or truncate certain fields

56. True / False: The reorganization on Index helps to ...

Question	The reorganization on Index helps to improvise access performance and fragmented space is gained.
Answer	✅ True
	False

57. True / False: CHECK DATA can not be run against bas...

Question	CHECK DATA can not be run against base tablespaces only but not for LOB table spaces also.
Answer	True
	✅ False

58. Multiple Choice: The stand-alone utilities run as batc...

Question	The stand-alone utilities run as batch jobs that are independent of DB2. The only way to run these utilities is to use _____.
Answer	REXX
	✅ JCL
	COBOL
	none of these

59. Multiple Choice: The DBA s run the_____utility...

Question   The DBA s run the_____utility to force the DBMS to restructure the database object

Answer	restructure
	RERG
✅	reorganization
	none of these

☐ ☐

60. Multiple Choice: "If you do not have much JCL knowledg...

Question	"If you do not have much JCL knowledge, using the_____panel is probably the best way to execute the DB2 online utilities"
Answer	✅ DB2 Utilities
	JCL utility
	REXX utility
	none of these

⌄

Select: All   None   Select by Type: - Question Type -

Delete and Regrade   Points   Update and Regrade   Hide Question Details

← OK