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

Course: Banking Database & Structure   **Semester: VI**
Program: B.Tech-CS-BFSI   **Time**

Course Code: CSBI3004   **Max. Marks:**

UPES   Bhupesh Kumar Dewangan **184**

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🏠   Tests, Surveys and Pools   Tests   **Test Canvas : End Sem Exam (ESE)**   Edit Mode is: ● ON   ?

This Test has 12 attempts. For information on editing questions, click **More Help** below.   ✕

Test Canvas: End Sem Exam (ESE)
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	Attempt all questions.
Instructions	
Total Questions	60
Total Points	100
Number of Attempts	12

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

Delete and Regrade | Points [____] Update and Regrade | Hide Question Details

☐ **1. Multiple Choice: Which of of data can be stored in dat...**   Points: **2**

Question	Which of of data can be stored in database?
Answer	Full text
	Numeric
	Images
	Option 1 and 2 are correct
	Option 1 and 3 are correct
✔	Option 1, 2 and 3 are correct

← OK

2. Multiple Choice: Which is not a component of DBMS?   Points: 2

Question	Which is not a component of DBMS?
Answer	Software
	✅ Host
	User
	Hardware

3. Multiple Choice: Why we should use DBMS?   Points: 2

Question	Why we should use DBMS?
Answer	Efficient use of data and independence of data
	For data security and data integrity
	Uniform data administration
	✅ All of the above

4. Multiple Choice: Which is not a layer of DBMS 3-tier a...   Points: 2

Question	Which is not a layer of DBMS 3-tier architecture?
Answer	✅ Presentation layer
	Database layer
	Network layer
	Application logic layer

5. Multiple Choice: What mean of ACID?   Points: 2

Question	What mean of ACID?
Answer	✅ Atomicity, Consistency, Isolation, and Durability (ACID)
	Atomicity, Concurrency, Isolation, and Durability (ACID)
	Atomicity, Concurrancy, Isolation, and Database (ACID)
	Atomicity, Consistency, Integrity, and Durability (ACID)

6. Multiple Choice: Which is not a type of database schema?   Points: 2

Question	Which is not a type of database schema?
Answer	Internal
	Conceptual
	✅ Centralized
	External

7. Multiple Choice: Which is not a category of data model?   Points: 2

Question	Which is not a category of data model?
Answer	Object based
	Record based
	✅ Flat
	Physical

8. Multiple Choice: Database system which uses network model   Points: 2

Question	Database system which uses network model

Answer   ● TurboImage

            Tablue

            Rapid Client

            Selenium

□ 9. True / False: Dr. CODD has proposed 14 rules for Da...

Points: 1

Question	Dr. CODD has proposed 14 rules for Data modeling
Answer	True
	● False

□ 10. True / False: In physical data independence , datab...

Points: 1

Question	In physical data independence , database should not be dependent upon the application.
Answer	● True
	False

□ 11. True / False: SET keyword is DDL.

Points: 1

Question	SET keyword is DDL.
Answer	True
	● False

□ 12. True / False: The first layer of data is MetaData.

Points: 1

Question	The first layer of data is MetaData.
Answer	● True
	False

☐ 13

2

Points:

. Multiple Answer: A core banking solution addresses the...

Question	A core banking solution addresses the following business consideration:
Answer	✅ User empowered rapid banking product building and delivery without IT Involvement

Friendly platform between customer and bank

✅ Online, real-time, 24*7 with minimal batch dependece

✅ Fully customer centric solution across the organization

☐ 14. Multiple Answer: Which are the components or sub-syste...   Points: 2

Question	Which are the components or sub-system of core system-
Answer	✅ General Ledger
	✅ Account s record keeping
	POS switch
	Statements
	Overdraft account
	✅ Trust account

☐ 15. Multiple Answer: Which are the various components and ...   Points: 2

Question	Which are the various components and sub-system of Retail application
Answer	✅ Loan organizing
	✅ Marketing
	Deal origination
	✅ Fraud Prevention
	✅ POS Switch
	Order routing

☐ 16. Multiple Answer: Which are the various components of E...	Points: 2

Question	Which are the various components of External Network/ Partner Network System.

Answer	⊘ ATM/POS Network
	⊘ ACH Network
	⊘ Check Clearing
	⊘ Visa/Master/Rupay card managers

☐ 17. Multiple Answer: The functional capabilities of core b...	Points: 2

Question	The functional capabilities of core banking should include

Answer	⊘ Products design for reusable business components
	⊘ Customer grouping
	⊘ Capability to deal with agencies as units of the bank
	⊘ Customer segmentation and classification

□ 18. Multiple Answer: The high level business function requ...   Points: 2

Question	The high level business function required by the bank are:
Answer	✅ Locker management
	✅ Core Banking
	✅ CRM
	✅ Call center

□ 19. True / False: The ATM switch transactions are based...   Points: 1

Question	The ATM switch transactions are based on ISO8584
Answer	True
	✅ False

□ 20. True / False: Web Browser is standard delivery mech...   Points: 1

Question	Web Browser is standard delivery mechanism for bank teller.
Answer	✅ True
	False

□ 21. True / False: Bank currently support Mobile banking...   Points: 1

Question	Bank currently support Mobile banking and SMS alert in offline mode.
Answer	✅ True
	False

☐ 22. True / False: Online service provides the trading f...

Points: 1

Question	Online service provides the trading facility for the bank customer.
Answer	✅ True
	False

☐ 23. Multiple Choice: Extension of XML schema definition fi...

Points: 1

Question	Extension of XML schema definition file is
Answer	.xml
	.xcds
	✅ .xsd
	.xdcs

☐ 24. Multiple Choice: What are the challenges of core banki...

Points: 1

Question	What are the challenges of core banking model
Answer	Risk & Complexity
	Scalability
	Expectations gap
	✅ All of the above

□ 25. Multiple Choice: Which is not a step for building data...

Points: 2

Question	Which is not a step for building data model
Answer	Process flow analysis
	Requirement analysis
	✅ Business Analysis
	creation of logical data model

□ 26. Multiple Choice: Which is not a type of bank customer

Points: 2

Question	Which is not a type of bank customer
Answer	Individual
	Joint hindu Families
	Clubs and association
	✅ None of these

□ 27. Multiple Choice: Minors Bank customer are

Points: 2

Question	Minors Bank customer are
Answer	On their own

Represented by natural guardians

Represented by legal guardians

✔ All of the above

□ 28. Multiple Answer: Data management challenges in banking...   Points: 2

Question	Data management challenges in banking are
Answer	✔ Complex architecture
	✔ Regression Testing
	Data delivery
	Meta data management

□ 29. Multiple Answer: Key components of data management are   Points: 2

Question	Key components of data management are
Answer	Data transformation
	✔ Data ownership
	✔ Data delivery
	Data compliance requirement

□ 30

. Multiple Answer: Very large database VLDB mainly depen...   Points: 2

Question	Very large database VLDB mainly depends on the following factors

Answer	✅ Hardware
	✅ Data Size

	Application type
	Network

☐ 31. Multiple Answer: The future size of database is estima...   Points: 2

Question	The future size of database is estimated based on

Answer	✅ Each table's row length
	✅ Number of business transaction that the database will need to store in given time
	Server speed
	Network bandwidth

□ 32. Multiple Choice: Disk utilization by database should n...

Points: 2

Question	Disk utilization by database should not more than
Answer	✅ 85%
	65%
	30%
	10%

□ 33. Multiple Choice: Database performance evaluation techn...

Points: 2

Question	Database performance evaluation techniques for specialized ddatabase
Answer	Real-time database system performance evaluation
	Web -database system performance evaluation
	Enterprise data mining system performance evaluation
	✅ All of these

□ 34. True / False: Reference data is any data that is us...

Points: 1

Question	Reference data is any data that is used to categorize other data with in the enterprise
Answer	✅ True
	False

☐ 35. True / False: SCV stands for Comma-separated values

Points: 1

Question	SCV stands for Comma-separated values

Answer	✓ True
	False

☐ 36. Multiple Answer: Batch exports fully supports exportin...

Points: 2

Question	Batch exports fully supports exporting the following entities

Answer	✓ Data values
	✓ Data type
	✓ Translation
	✓ Mapping

☐ 37. Multiple Answer: The first level storage devices include

Points: 2

Question	The first level storage devices include

Answer	✓ Cache memory
	✓ Main memory
	Hard disk
	✓ Processor register

☐ 38. Multiple Answer: Magnetic storage are   Points: 2

Question	Magnetic storage are
Answer	✅ Wire recording
	✅ Magnetic Tape
	✅ Floppy Disk
	✅ Drum memory

☐ 39. Multiple Answer: Optical storage are   Points: 2

Question	Optical storage are
Answer	ZIP disk
	✅ Optical Jukebox
	✅ Photographic paper
	Floppy disk
	✅ Hologram
	Drum Memory

☐ 40. Multiple Answer: Electrical storage devices are   Points: 2

Question	Electrical storage devices are

Answer	✅ Semiconductor used in volatile random-access memory
	Floppy Disk
	✅ Floating gate transistor used in non volatile memory card

Hologram

☐ 41. Multiple Choice: Storage devices are classified into   Points: 2

Question	Storage devices are classified into
Answer	Primary
	Secondary
	Tertiary
	✅ All of these

☐ 42. Multiple Choice: DRP stands for   Points: 2

Question	DRP stands for
Answer	✅ Disaster recovery plan
	Disk recovery plan
	Database recovery plan
	Data recovery plan

□ 43. Multiple Answer: Storage challenges in SAP application...   Points: 2

Question	Storage challenges in SAP application are
Answer	✅ Complex and slow invoice process
	Database dependency
	✅ Slow database performance
	Database integrity

□ 44. Multiple Answer: For developing a data storage policy,...   Points: 2

Question	For developing a data storage policy, the steps are followed
Answer	✅ A data storage budget establishment
	✅ Accessing of availability data requirement
	✅ Security levels measurement
	Capacity of data storage
	✅ Security level measurements
	Database performance

□ 45. Multiple Answer: Types of ROM are   Points: 2

Question	Types of ROM are
Answer	✅ PROM
	✅ EPROM
	ETROM
	✅ EAROM

□ 46. Multiple Answer: Optical tape is widely used because of   Points: 2

Question	Optical tape is widely used because of
Answer	✅ low cost media
	✅ high data rate
	✅ It is secure
	Durable

47. Multiple Answer: Key technologies involved in storing ...　　　Points: 2

Question	Key technologies involved in storing big data includes
Answer	✅ Data mining
	✅ Data Management
	✅ Hadoop
	✅ Map Reduce

48. Multiple Answer: The data protection law defines sensi...　　　Points: 2

Question	The data protection law defines sensitive personal data as the personal data is related to
Answer	✅ Religion
	✅ Private Life
	✅ Health records
	No need of data protection law

49. Multiple Answer: Under the privacy act the APPs, an or...　　　Points: 2

Question	Under the privacy act the APPs, an organization can be

Answer	● Individual
	● Partnership
	● A Trust
	Group of non living things

□ 50. True / False: Unstructured data is the information ...

Points: 1

Question	Unstructured data is the information that does not have a pre-defined data model
Answer	● True
	False

□ 51. True / False: Accessing unstructured data can be do...

Points: 1

Question	Accessing unstructured data can be done through content management application
Answer	● True
	False

□ 52. True / False: One of the source of unstructured dat...

Points: 1

Question	One of the source of unstructured data is Human-generated unstructured data
Answer	● True
	False

☐ 53. Multiple Choice: Which is not an example of machine ge...   Points: 2

Question	Which is not an example of machine generated unstructured data
Answer	Scientific Data
	Satellite Images
	✅ Social media data
	Radar data

☐ 54. Multiple Choice: Which is not an example of human-gene...   Points: 2

Question	Which is not an example of human-generated data
Answer	Mobile data
	✅ Scientific data
	Text which is internal to the company : iinformation like log, emails
	Website content

☐ 55. True / False: Hadoop is uses for managing unstructu...   Points: 1

Question	Hadoop is uses for managing unstructured data
Answer	✅ True
	False

□ 56. True / False: Unstructured data is good as it helps...   Points: 1

Question	Unstructured data is good as it helps in improving customer experience
Answer	✅ True
	False

□ 57. True / False: The supporting dara source for unstru...   Points: 1

Question	The supporting dara source for unstructured data is .ppt
Answer	True
	✅ False

□ 58. Multiple Answer: The documents properties include   Points: 2

Question	The documents properties include
Answer	✅ Author
	✅ Company name
	Author Family details

✅ Tile of document

59. True / False: IBM SPSS is a predictive aanalytics tool   Points: 1

Question	IBM SPSS is a predictive aanalytics tool
Answer	✅ True
	False

60. True / False: Machine generated unstructured data i...   Points: 1

Question	Machine generated unstructured data is a source of unstructured data
Answer	✅ True
	False

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

[Delete and Regrade]   Points [____] [Update and Regrade]   [Hide Question Details]