

Internal Assessment Test 3 – November 2022

Sub:	Database Management Systems	SubCode:	18CS53	Bran	nch: ISE		
Date:	<b>07/11/2022</b> Duration: 90 min's MaxMarks: 50	Sem/Sec:	V A, B & C			OE	
	Answer any FIVE FULL Questions				MARKS		RBT
	Discuss the main characteristics of the database app traditional file systems.  That advisature of database approach are a cotalog. A cotalogy describes the software to interact with different whereas, in traditional file system of database status by him self the description of database status by him self the description of do I have allowed and the user of programs and data; starage structure and operations with of programs in D6.  This feature is not provided in frakes it kers flexible and time.  Data abstraction: It uses data model storage details of database and prevoily the conceptual view of data.  In file Ly systems their is no do details of storage of data is op support multiple views of a data: Ear support restiple views of a data: Ear support truttiple views of a data: Ear shereas in file system theth data  user is savee for all of them of data.  It sharing data and multiuser than sadde allows on a set of concurrent use allows on a set of concurrent use allows on a set of concurrent use allows or a set of concurrent uses allows or a set of concurrent us	roach and hor  systems - or  structure the  databases of  thas to  thas to  than ging  out changing  and changing  sent the  ta abstra  an ta us  the same  presented  presented  presented  so we  detion at  out  so we  so	by stem da les datal have as of data and of the care is per data be care in file systing: Db. retreive of the either are either and in the either are and fusion and of the either are and fusion and of the either are either either are either are either either are either either are either	has to asse to assert the assert the assert to assert the assert the assert to assert the asse	10	CO1	L2
2a)	What is database management system? Explain a da with a block diagram.  (a) Puta base management system is a programs which allows users to run age data base. It is a gen system.  In a University data base system as student, course, grade, buffusor student  Name Sid con trogram sum  Athi 1CR1 CS S  Rami 1CR2 IS S  Name 1CR1 CS S  Name 1CR1 CS S  Name 1CR1 CS S  Name 1CR2 IS S  Na	it will use	tore and pose soft.  have en	ay vare	6	CO1	L2

2b)	What is a weak entity type? What is the role of partial key in the relationship?	4	CO1	L1
	A weak entity type are those entity which do not have its own key altribule or primary key. A weak entity of weak entity type is desur ned by combining with the attributes of other entity. The other entity is known as owner entity.  Cartial key is found in weak entity which is used lartial key is found in weak entity which is used to identify a weak entity and is made with attrib to identify a weak entity.			
3	What is meant by Integrity constraint? Explain the importance of Referential integrity	10	CO2	L2
	Integrity Constraint: In most of data base applications it has severally to recover to the value which is has severally to recover to the december of the value which is altered by imposing certain restrictions on the december and on database in order to make the attributes and on database in order to make the data a sensible and reaningful.  The for an attribute blave integrity constraint will be that it rust away only string of characters or that it rust away only string of characters or that it rust away only string of characters or that it rust away only string of characters or that it rust away only string of characters or that it rust away inorder to describe the person's Name - Data type is char.  Referential Integrity constraint: In DBMS when one entity is in relationship with other entity through a common attribute in both of them, then the values of this attribute has an a value in one entity solvieth does one of the entity of the entity are solviethed.			
	with Sid in which says which course is student evident and relater with student entity. In lower ICR18 entry is made but if there is no student of this Id in she dent entity. This is Refrential integrity constraint that both values of attributes in both entity should nature.			
4a)	With a neat block diagram, explain the architecture of DBMS	6	CO1	L2
,	The a new crock diagram, explain the architecture of DB1010			

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	[Conceptual schema]			
	Internal schema 7			
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	database database database			
4b)	What are the responsibilities of DBA and the database designers?	4	CO1	L1
	DBA - Patabase Administrations _			
	Permany nesource is the data of			
	Per has two resource, primary resource is the data &  There news administration of the			
	There ness administraing of these nesource is the nesponsibility			
	DBA are also presponsible for authorization access, coordinating a maintaining the database system. Ento get the software & handware test ource when prequired			
	Any sewrity breach, poor surpose time, authority acres			
5	Design an ER diagram for Library database considering atleast 4 entities and indicate cardinality ratio.	10	CO2	L3
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6		10	CO2	L3
6	Consider the following movie database:  Movie(Title, Director, Myear, Rating)  Directors(Director, dage)  Acts(Aname, Title)  Actors(Aname, Age)	10	CO2	L3
6	Consider the following movie database: Movie(Title, Director, Myear, Rating)  Acts(Aname, Title)	10	CO2	L3

iii.	Find movies acted by Sean.
	(i) Title ( Directon = 'Hanson' and myon = '2000' (Movies )
	Dineck ns )
	(ii) The Thank of The Control of Directors M Actors M Actors M
	(iii) TIHE (Janume = Sean (movie M Acts M Actory)