Q.P. Code: 23721

			(2½ Hours)	[Total Marks: 7	75]
N. B.	2) I 3) I	Illustrations, in-	e compulsory. ght indicate marks. depth answers and diagrams viestions is not allowed.	vill be appreciated.	
Q. 1 (a)	Attempt All(Each of 5Marks) Choose the Correct Alternative				
	i	Triggers	enabled or disabled		
		a] Can be	b] Cannot be		
		c] Ought to be	d] Always		
	ii iii	processing po a] PL/SQL c] Advanced S	ower of Procedural languages b] SQL		
		c] Isolation	d] Durability		
	iv v	A transaction of a] Saved c] Rolled	completes its execution is said b] Loaded d] Committed	d to be . If transaction B also requests	
		for a shared lo		n discording discording to	
		a] It will resul	It in a deadlock situation		
		b] It will imm	ediately be rejected		
			nediately be granted		
		d] It will be gr	ranted as soon as it is released	l by A	
				Min	
(b)	(DR Poir i To ii Tl iii iv	ROP SEQUENCE nters, Replace, R	y selecting the correct option CE sequence_name, Data ecovery measures, committed sequence we have to enter for ment changes the control with ed to recreate if trigger already a part of	Control Language, Cursors, d. Completed) llowing syntax	

S0133 / S2005 DATABASE MANAGEMENT SYSTEM.

Explain the following in one or two line

(c)

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	i How to view stored procedure?					
	ii How to alter a sequence?					
	iii Give syntax of anonymous PL/SQL block.					
	iv What is a SAVEPONT?					
	v What REVOKE command does?					
Q. 2	Attempt the following (Any THREE)	(15M				
(a)	Explain insert, update trigger with an example.					
(b)	Define Index. What do you mean by primary and secondary index?					
(c)	Explain sequential file organization.					
(d)	Write a short note on sequence along with an example.					
(e)	How to create and execute stored procedure?					
(f)	Explain with an example how will you drop an index in the database.					
Q. 3	Attempt the following (Any THREE)	(15M				
(a)	State how to write, call and execute the function from a PL/SQL block along with an example.					
(b)	Write PL/SQL block, to print sum of odd numbers between 1 to 30.					
(c)	Write a short note on loop and exit statement.					
(d)	Explain IF-THEN statement with an example.					
(e)	Write an block in PL/SQL to explain GOTO statement					
(f)	Find out the similarities and differences between loop end loop and while statement.					
Q. 4	Attempt the following (Any THREE)	(15)				
(a)	What is Serializability? Write a note on view serializability?	()				
(b)	Describe ACID properties for transaction.					
(c)	Define COMMIT and SAVEPOINT commands along with an example.					
(d)	Write a note on two phase locking protocol.					
(e)	Explain two phase Commit protocol.					
(f)	Explain undo and redo phase in Aries algorithm.					
Q. 5	Attempt the following (Any THREE)	(15)				
a)	Explain how to create a trigger with an example.	(15)				
b)	List advantages of PL/SQL					
c)	How to make permanent changes to database. Explain					
d)	Explain Timestamp based protocol.					
e)	What is write-ahead log protocol? Explain with example					