

Q. 1 Attempt any four of the following

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- a What is mean by Index?
- b What is stored procedures?
- c How to create Sequence explain with example?
- d What is mean by file organization? Explain it's types .
- e How to create and drop index?
- f How to Alter and view stored procedure.
- g How to alter and drop a Sequence?
- h Print 1 to 10 numbers using for loop statement.

Q. 2 Attempt any four of the following

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- a Explain GOTO and NULL statements with an example.
- b Explain case statement with an example.
- c Print maximum of three numbers using PL/SQL statement.
- d Explain arithmetic operators with an example.
- e Explain IF-THEN-ELSE statements with an example.
- f Print prime numbers between 1-10.
- g Explain PL/SQL data types.
- h Explain logical operators with an example.

Q. 3 Attempt any four of the following

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- a Explain read-write locks.
- b Write a short note on transaction and dirty page table.
- c Explain shadow paging and log based recovery scheme.
- d Explain two phase commit protocol.
- e What is serializable schedule?
- f Explain Timestamp based protocol.
- g How to detect deadlock? Explain with an example.
- h Explain the term rollback.

Q. 4 Attempt any Three of the following

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- a Explain types of stored procedures.
- b Print odd or even numbers between 1-10 using PL/SQL statement.
- c Write a short note on ACID properties for transaction.
- d Explain deadlock handling methods.
- e Explain stored procedures with advantages and disadvantages.
- f Explain different looping statements in PL/SQL.

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