

Seat No. : _____

AB-129

April-2016

B.C.A., Sem.-VI

CC-308 : Database Administration

Time : 3 Hours]

[Max. Marks : 70

1. (a) (i) Explain the physical structure in detail. **4**
(ii) Explain Database administrator privileges. **4**

OR

- (i) Discuss the responsibilities of Database Administrator. **4**
(ii) List all Oracle process and explain any three in detail. **4**
(b) (i) Discuss CREATE DATABASE statement with an example. **3**
(ii) Write a short note on table space and its different types. **3**

OR

- (i) Explain Oracle database architecture in detail. **3**
(ii) Write syntax of CREATE TABLESPACE and list tablespace types. **3**

2. (a) (i) Write the syntax to create a control file using CONTROLFILE statement. **4**
(ii) Explain archived redo log file in detail. **4**

OR

- (i) Explain data files with consideration for managing, renaming and dropping. **4**
(ii) Write notes on Control files for managing, creating and dropping. **4**
(b) (i) Write a short note on System level roles. **3**
(ii) Write notes on Granting and Revoking object level privileges. **3**

OR

- (i) Write a short note on managing privileges. **3**
(ii) Write notes on Granting and Revoking system level privileges. **3**

3. (a) Write notes on Cluster with an example. **7**

OR

Write a note on Hash Cluster. **7**

- (b) Define Index. List its types and explain any three index types briefly. **7**

OR

Explain the syntax of creating and dropping of Index with an example. Also discuss the situation when to rebuild the index. **7**

4. (a) (i) Explain different optimizer types briefly. **4**
- (ii) Explain different Backup types in details. **4**
- OR**
- (i) What are the various ways to set optimizer modes ? **4**
- (ii) Write steps to Backup using EXPORT utility. **4**
- (b) (i) What is EXPLAIN_PLAN ? Why it is used ? **3**
- (ii) What is database tuning ? How to tune data storage ? **3**
- OR**
- (i) Explain tuning physical storage ? **3**
- (ii) Discuss RMAN Command. **3**
5. Do as directed : **14**
- (i) _____ and _____ are database administrator privileges.
- (ii) _____ is defined as a memory area that contains the data and controls information.
- (iii) Oracle does allow to make a temporary tablespace offline. (T/F)
- (iv) A _____ process is responsible for copying the online redo log files to a storage device.
- (v) To Grant a system level privilege to other database user you must have WITH ADMIN OPTION. (T/F)
- (vi) A _____ stores information about the physical structure of a database.
- (vii) _____ is a pointer to the location of data in a table.
- (viii) A tablespace is a physical division of a database. (T/F)
- (ix) Bitmap indexes are used with columns having _____ cardinality.
- (x) A cluster is a group of tables that share common data blocks. (T/F)
- (xi) Tuning memory usage involves tuning the _____ structures.
- (xii) _____ backup includes backing up the files using operating system command.
- (xiii) While performing hot backup database must be running in Archive log mode. (T/F)
- (xiv) A _____ specifies the system resources that are available to a database user.
