Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **14CS2004** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DATABASE ADMINISTRATION** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Elaborate on physical memory structure of oracle database highlighting each of its components with a neat sketch. | CO1 | 15 |
| b. | How will an admin change the password of a normal user and revert it with the same old password through SQL command without normal users knowledge? | CO2 | 5 |
| **(OR)** | | | | |
| 2. |  | Recall various background processes started during oracle instance initiation and distinguish each of its features. | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | Identify the key advancements in DBCA. Write down the steps in creating and configuring database using database configuration assistant. | CO1 | 10 |
| b. | Specify how efficiently a DBA can manage alerts on tablespace. Give at least five command line examples to typify the role of DBA. | CO2 | 10 |
| **(OR)** | | | | |
| 4. | a. | Illustrate various table spaces which are created automatically during the installation process and specify its distinctive purposes. | CO2 | 15 |
| b. | Show how tablespace can be managed in command mode. | CO2 | 5 |
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| 5. |  | Elucidate the common space management problems faced in database administration and analyse the suitable method to solve it. | CO2 | 20 |
| **(OR)** | | | | |
| 6. |  | How database security and audit can be conducted inside any organization? Explain with an example. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Explain the necessity of flash back in oracle undo management and show how flashback can be done through flashback query and DBMS-LASHBACK. | CO3 | 20 |
| **(OR)** | | | | |
| 8. | a. | Compare RMAN with traditional backup methods. | CO3 | 10 |
| b. | Analyze the necessity of RMAN in database management. How recovery on tablespace level can be done using RMAN? | CO3 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | The Flipkart Pvt Ltd wants to keep record of all its transactions through online mode. As a DBA, you are expected to follow data pump export method to do the backup. Show the list of operations you will carry out to finish this task. | CO3 | 20 |