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



**End Semester Examination – Nov/Dec– 2017**

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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. | Identify the key issues in database administration. Provide all possible solution to resolve it. | CO1 | 10 |
| b. | Illustrate the Core components of Oracle physical memory with neat sketch. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Elaborate on various background process associated with key operations of Database. | CO1 | 20 |
|  |  |  |  |  |
| 3. | a. | Examine various space management problems associated with database and the methods to handle it. | CO2 | 15 |
|  | b. | Write down the SQL command to create new tablespace “sample.dbf” with 150m size. Mentionvarious applications of new user table space. | CO2 | 5 |
| (OR) | | | | |
| 4. | a. | Recall the uniqueness of DBA\_THRESHOLD option. | CO2 | 5 |
|  | b. | Write down the necessity of “UNDO tablespace” by highlighting its necessity in maintaining consistency of database. | CO2 | 5 |
|  | c. | Discuss the necessity of data dictionary and dynamic performance views in checking spatial constraints and critical alerts of database. | CO2 | 10 |
|  |  |  |  |  |
| 5. |  | Mr. Brook is a Database administrator in Orlins Data center. He supposed to maintain consistency of database by performing a consistent backup. Summarize one suitable command driven technique to perform offline backup. | CO3 | 20 |
| (OR) | | | | |
| 6. |  | Explain the necessity of Flash back in oracle undo management and show how flashback can be done through following methods | CO2 | 10 |
|  | a. | Flashback Query. | CO2 | 5 |
|  | b. | DBMS\_FLASHBACK. | CO2 | 5 |
|  |  |  |  |  |
| 7. |  | If DBA suspects Mr. Mike as an intruder inside the organization who uses his privileges to gain some resource then, Analyze the ways in which auditing can be useful for him to extricate the issue. | CO3 | 20 |
| (OR) | | | | |
| 8. |  | Consider the example of Redbus ticket booking service. Determine the steps involved in performing online backup using SQL | CO3 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Compare RMAN with traditional backup methods. | CO3 | 10 |
|  | b. | Discuss how recovery on tablespace can be done using RMAN? | CO3 | 10 |

ALL THE BEST