**CIE: Internal Assessment Details**

**Internal Assessment Question Paper – III**

**M S Ramaiah Institute of Technology**

**(Autonomous Institute, Affiliated to VTU)**

**Department of Information Science and Engineering**

**Programme: B. E. in Information Science and Engineering**

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| Term: | **17.08.2016 to 17.12.2016** | Course Code: | **IS534** |
| Course: | **Database Management Systems** | Semester: | **V** |
| CIE: | **Test – III** | Max Marks: | **30** |
| Date: | **09-12-2016** | Time: | **2:00 PM – 3:00 PM** |

**Portions for Test:** Lecture Nos. from 34 **to 56** as per lesson plan circulated to students at the beginning of the semester.

**Instructions to Candidates:** **Answer any TWO.**

Note: **Mobiles are strictly prohibited.**

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| **S. No.** |  | **Question** | **Marks** | **CO** | **Bloom’s Level #** |
| 1. | a) | Consider the following relation  Employee(Empno,name, Deptno,Deptname,salary)  Write a PL/SQL code to display details of Highest 10 salary paid employee in “production” department | **7** | **CO4** | **AP** |
|  | b) | What is meant by the concurrent execution of database transactions in a multiuser system?. Discuss Why concurrency control is needed, and give examples. | 8 | **CO5** | **U** |
|  |  |  |  |  |  |
| 2 | a) | Define stored procedures. Explain different ways of passing parameters to procedures with an example. | 8 | **CO4** | **U** |
|  | b) | i) How does Thomas’s write Rule modify the check for the write\_item(X) operation  ii)Which of the following schedule is(conflict) serializable?. For each serializable schedule, determine the equivalent serial schedule.   1. r1(X);r3(X);w1(X);r2(X);w3(X); 2. r3(X);r2(X);w3(X);r1(X);w1(X); | 7 | **CO5** | **AP** |
|  |  |  |  |  |  |
| 3 | a) | What is meant by Exception?. Give with an example the different types of Exception supported in PL/SQL | 7 | **CO4** | **U** |
|  | b) | Describe the three phases of ARIES recovery method. | 8 | **CO5** | **U** |

**#R-Remember ;U-Understand; AP-Apply;**