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**SRINIVAS UNIVERSITY****FOURTH SEMESTER M.C.A EXAMINATION, MAY 2018****DATABASE PROGRAMMING AND ADMINISTRATION**

Time: 2 Hours

Max.Marks: 50

**SECTION-A****(5x1=5)****Note: Answer ALL questions. Each question carries ONE mark.**

1. a) Which section of PL/SQL block is mandatory?
- b) Which statement is used to display the output in PL/SQL?
- c) Which attribute is used to declare a variable according to collection of columns in database table?
- d) Which statement returns the message associated with the error number?
- e) Which method allows to list parameter in arbitrary order?

**SECTION-B****(5x7=35)****Note: Answer any 5 questions. Each question carries SEVEN marks.**

2. Explain the structure of PL/SQL block and block types.
3. What is SQL cursor and explain cursor types and various attributes of explicit cursor.
4. Explain how to handle predefined and non predefined exceptions with example.
5. What are the privileges required to create and execute subprograms. Contrast invokers rights with definers rights.
6. With example explain how to create database triggers.
7. With example explain how to execute dynamic SQL in PL/SQL block.

**SECTION-C****(1x10=10)****(Compulsory)**

8. Write a PL/SQL block to display the result of all students based on following condition

$\geq 70$  – Distinction

$\geq 60$  &  $< 70$  – First

$\geq 50$  &  $< 60$  – Second

$< 50$  - Pass

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