

S.D.E.

**B.B.A. (2006 COURSE) SEM-V : WINTER - 2017**

**SUBJECT: ELECTIVE – II ORACLE (SYSTEMS)**

Day: **Tuesday**  
Date: **19/12/2017**

Time: **10.00 AM TO 1.00 PM**  
Max Marks: 80

**W-2017-4132**

---

**N.B:**

- 1) Attempt any **FIVE** questions from Section – **I** and any **TWO** questions from Section – **II**.
  - 2) Answer to both the **SECTION** should be written in **SEPARATE** answer books.
  - 3) Figures to the right indicate **FULL** marks.
- 

**SECTION – I**

- Q.1** Explain Three-layered architecture of DBMS with a diagram. **(10)**
- Q.2** What are different data types in Oracle? Explain with example. **(10)**
- Q.3** Explain SQL Query Expression Operators with example. **(10)**
- Q.4** Explain UPDATE command with example. **(10)**
- Q.5** Explain Iterative Control Statements in PL / SQL . **(10)**
- Q.6** Explain REVOKE command with example. **(10)**
- Q.7** Write short notes on **ANY TWO** **(10)**
- a) Data Manipulation Language
  - b) Stored Procedures
  - c) Synonymous

**SECTION - II**

- Q.8** What is Trigger? Discuss BEFORE vs AFTER Trigger with example. **(15)**
- Q.9** a) Write PL / SQL block to enter a number and print factorial of it. **(08)**
- b) Write PL / SQL block to enter a number and print it in reverse order. **(07)**
- Q.10** Consider the following tables. **(15)**  
Student (rollno, name, age, marks, course\_no, city)  
Course (course\_no, rollno, course\_name)
- a) Create above tables with proper constraints and data types.
  - b) Enter minimum 5 records in the above tables.
  - c) Display roll number and name of students from city "Nagpur".
  - d) Display name of students who scored more than 70 marks.
  - e) List the students who have opted course 'BBA'.

\*\*\*\*\*