



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2017

CA 4504- VISUAL PROGRAMMING AND ORACLE

Date: 21-04-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

SECTION A

ANSWER ALL THE QUESTIONS

10 X 2 = 20

1. What is an event?
2. What is the purpose of an InputBox in VB?
3. Define Control Array.
4. Differentiate procedure and function in VB.
5. When a relation schema is said to be in Fourth Normal Form?
6. What is the need of normalization?
7. What are various TCL statements in SQL?
8. Write the syntax in SQL for grouping data.
9. List the three types of record sets and their features.
10. What do you mean by Data bound Controls ?

SECTION B

ANSWER ALL THE QUESTIONS

5 X 8 = 40

11. a. Explain Command Button events and properties.
(OR)
b. Write a note on various data types in VB.
12. a. Explain control structures in VB.
(OR)
b. Discuss on various Form Properties and events.
13. a. Draw the ER Model for Library Management System.
(OR)
b. Discuss on the Client Server Architecture in detail.
14. a. What is a view? Explain the creation of a view and how a view can be dropped.
(OR)
b. Explain various aggregate functions in SQL.
15. a. Write a code in VB to select a Record in a database through Visual Basic.
(OR)
b. Explain about various Validate events associated with Data Control.

SECTION C

ANSWER ANY TWO QUESTIONS

2 X 20 = 40

16.a. Explain about various Windows Common Dialog Control in VB.

b. Discuss about sub procedures and functions with examples.

17.a. Explain about Third Normal Form with an example.

b. What is meant by integrity constraint? Explain the importance of referential integrity Constraints and also explain how referential integrity constraint is implemented in SQL .

18.a. Explain about various methods and events for the Data Control

b. Given the schema,

EMP(name, empno, birthdate, address, gender, salary, deptno)

DEPT(deptno, deptname, managername, profit)

DEPTLOC(deptno, deptloc)

PROJECT(projname, projno, deptno)

Create queries for the following

- i. Create the above tables and insert 3 records(**2 marks**)
- ii. List 'Production' department details which is located in 'Chennai' (**2 marks**)
- iii. List female employees from deptno = '23' whose salary >Rs.40000(**2 marks**)
- iv. Retrieve the name of the manager of the departments who are having projects. (**2 marks**)
