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Third Semester B. Sc. (Part - II) Examination

3S : COMPUTER APPLICATIONS (Vocational)

(Visual Basic and RDBMS)

P. Pages : 6

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions are compulsory.
(2) Question no. 1 carries 8 marks and all other questions carry 12 marks each.
(3) Assume suitable data wherever necessary.

1. (A) Fill in the blanks. (½ Mark each)

- (1) The Primary Key of a table ensures its _____ integrity.
- (2) The DML stands for _____ .
- (3) Variable in VB class which are not shared are called _____.
- (4) The maximum _____ number of controls can be placed on a form. 2

(B) Choose correct alternatives. (½ Mark each)

- (1) When the user clicks a button, _____ is triggered.

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- (a) An event
 - (b) A method
 - (c) A setting
 - (d) A property
- (2) When you declared variable, V.B. reserves an area of memory and assign it a name called an _____ .
- (a) Identity
 - (b) Declaration
 - (c) Identifier
 - (d) Dimension
- (3) _____ is used to referential integrity.
- (a) Primary Key
 - (b) Foreign Key
 - (c) Super Key
 - (d) Candidate Key
- (4) Which is not a basic data types in SQL _____ .
- (a) CHAR
 - (b) DOUBLE

(c) NUMBER

(d) DATE

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(C) Answer in one sentence.

(i) What is DBMS ?

(ii) What is the use of ROLLBACK command ?

(iii) What is an event ?

(iv) What do you mean by project in V.B. ?

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2. (A) What is a form? Explain any five properties associated with form. 6

(B) Explain properties and methods associated with event in V.B. 6

OR

3. (A) Explain :-

(i) Immediate window.

(ii) Project Window

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(B) Explain the IDE components of Visual Basic.

6

4. (A) Explain the data control to connect the database in V.B. 6
- (B) Explain :
- (i) Text Bar.
- (ii) List Box. 6

OR

5. (A) Explain any size common properties of VB control. 6
- (B) Explain properties, events and methods associated with a form. 6
6. (A) Explain the IF-Else statement with its syntax and example. 6
- (B) Define Operator. Explain the different types of Operators in V.B. 6

OR

7. (A) Explain GOTO statement. Why is it avoided? Explain with example. 6
- (B) Write a V.B. program code to generate the fibbonacci series. 6

8. (A) Explain the following.
- (i) Functional Dependencies.
 - (ii) Mapping constraints. 6
- (B) Explain the Boyce-Codd Normal form (BCNF) with example. 6

OR

9. (A) What is DBA ? Explain the responsibilities of DBA. 6
- (B) Draw the architectural diagram of database system and explain it. 6
10. (A) Explain the following commands with suitable example.
- (i) CREATE TABLE
 - (ii) INSERT
 - (iii) UPDATE 6
- (B) What is SQL ? Explain the various data types used in SQL. 6

OR

11. (A) What is view ? How the view is created ? Explain with example. 6

(B) Explain the following commands with example.

(i) ORDER BY

(ii) GROUP BY 6

12. (A) Explain character function with example.

(i) INITCAP

(ii) LPAD

(iii) RPAD 6

(B) What is integrity constraints ? Explain different types of integrity constraints with suitable example. 6

OR

13. (A) Explain the following with example.

(i) Equi-Join.

(ii) Self-Join.

(iii) Outer-Join. 6

(B) What is function in SQL ? Explain Numeric functions with example. 6

