AT–337

B.Sc. (Part—II) Semester—III Examination

COMPUTER APPLICATIONS (Vocational)

(Visual Basic and RDBMS)

Time : Three Hours]　　　　　　　　　　　　　　　　　[Maximum Marks : 80

Note :—(1) **ALL** questions are compulsory.

　　　　(2) Question No. **1** carries **8** marks and other questions carries **12** marks.

1.　(A) Fill in the blanks :

　　　(i)　In VB, ... is a collection of files that makes up application.

　　　(ii)　A one or more loops within another loop is called .... of loops.

　　　(iii)　The name of column of relation called as ....

　　　(iv)　............... is an association between two attributes of the same relation table.

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　2

　　(B) Choose the correct alternative :

　　　(i)　............... control is not a part of tool box.

　　　　　(a)　CMD button

　　　　　(b)　Shape

　　　　　(c)　Form

　　　　　(d)　Label button

　　　(ii)　The .... operators lets you perform binary operations.

　　　　　(a)　Relation

　　　　　(b)　Bitwise

　　　　　(c)　Logical

　　　　　(d)　Conditional

(iii) .... is a field in the database which is a key field.

    (a) Primary key

    (b) Candidate key

    (c) Alternate key

    (d) Foreign key

(iv) Normalization is used to ....

    (a) To replace data

    (b) To add data

    (c) To remove insertion and deletion anomalies

    (d) None   2

(C) Answer in one sentence :

    (i) What is event ?

    (ii) What is variables ?

    (iii) What is super key ?

    (iv) What is DCL ?   4

2. (A) Explain the following :

    (i) Project Explorer

    (ii) Tool Box

    (iii) Form Layout Window.   6

(B) Explain the property window with suitable diagram.   6

OR

3. (A) What is visual basic ? Explain VB IDE components in brief.   6

(B) Explain the various events in visual basic language.   6

4. (A) Explain the command button control with its basic properties. 6

   (B) Explain the following :

      (i) Text box

      (ii) Label

      (iii) List box. 6

OR

5. (A) Explain the combo box control with suitable example. 6

   (B) Explain with example the difference between :

      (i) Picture box and Image box

      (ii) Check box and Option box. 6

6. (A) What is operator ? Explain logical and conditional operator with suitable example. 6

   (B) Explain the following :

      (i) If then __ __ else.

      (ii) Select case. 6

OR

7. (A) Explain the control structure in VB with example. 6

   (B) Explain the following loop structure :

      (i) Do .... loop.

      (ii) Nested for .... loop. 6

8. (A) Explain the architecture of data base system. 6

   (B) Explain the following with suitable example :

      (i) Relationship

      (ii) Function dependency. 6

OR

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9. (A) Explain various types of mapping constraints. 6

   (B) Explain 2NF and 3NF with example. 6

10. (A) Explain the components of SQL. 6

   (B) Explain the table and view with suitable example. 4

   (C) Explain ORDER by clause. 2

OR

11. (A) State the function of DDL and DML command used in SQL. 4

   (B) Explain ALTER and UPDATE command with suitable example. 6

   (C) State the use of commit and rollback command. 2

12. (A) Explain different conversion functions used in SQL. 6

   (B) Explain equi-join with suitable example. 6

OR

13. (A) What do you mean by data integrity ? Explain the types of integrity constraints. 6

   (B) Explain the following character functions with example :

     (i) INITCAP ( )

     (ii) SUBSTR ( )

     (iii) LPAD ( ). 6