

XEV (H-3) – BCA (S)

2019

Time : 3 Hours

Full Marks : 100

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions, in which Q. No. 1 is compulsory.

1. (a) Which three of the following are implicit cursor attributes ?
- (i) % found
 - (ii) % too_many_rows
 - (iii) % not found
 - (iv) % rowcount
- (b) Select invalid variable types
- (i) CHAR
 - (ii) VARCHAR 1
 - (iii) VARCHAR 2
 - (iv) INTEGER
- (c) If left out, which of the following would cause an infinite loop to occur in a simple loop ?
- (i) LOOP
 - (ii) END LOOP

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- (iii) IF-THEN
 - (iv) EXIT
- (d) DBMS manages the interaction between _____ and database.
- (i) Users
 - (ii) Clients
 - (iii) End Users
 - (iv) Stake Holders
- (e) IMS stands for ?
- (i) Information Mastering System
 - (ii) Instruction Management System
 - (iii) Instruction Manipulating System
 - (iv) Information Management System
- (f) A characteristic of an entity.
- (i) Relation
 - (ii) Attribute
 - (iii) Parameter
 - (iv) Constraint
- (g) When the user clicks a button, _____ is triggered.
- (i) An event
 - (ii) A method
 - (iii) A setting
 - (iv) A property
- (h) In _____ window we can write code.
- (i) Immediate window
 - (ii) Locals window
 - (iii) Code editor window
 - (iv) None of these

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(i) The form module has file extension _____.

- (i) .frm
- (ii) .frb
- (iii) .fru
- (iv) .fra

(j) The default datatype for Visual Basic is _____.

- (i) Integer
- (ii) Boolean
- (iii) Variant
- (iv) String

2. (a) What is SQL (Structured Query Language) ?
What is Data ?

(b) What is BCNF and 4NF ? Explain with example.

3. (a) Write a PL/SQL code to find the prime number of a given number by using while loop.

(b) What is the difference between SQL and No SQL ?

4. (a) What is a Table and explain its characteristics ?

(b) Explain DCL and DML.

5. (a) What is DBMS ? Explain advantages and disadvantages of DBMS.

(b) Explain Entity Relationship Model and Object Oriented Model.

6. (a) What are the limitations of using the graphics controls in VB ?

(b) Explain ActiveX controls.

7. Explain the following :

(a) Variables

(b) Constants

(c) Data Type

(d) Scope of Variable

8. (a) Explain different types of looping statements using suitable examples.

(b) What is the difference between Image and Picture Box Controls ?

9. (a) What are the advantages of using control arrays in VB ?

(b) Write a VB program to find the even/odd of a given number by using procedure.

10. Write short notes on the following :

(a) Grouping Controls

(b) Aligning

(c) Events

(d) Methods

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