

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.

- (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

- (iii) IF-THEN
 - (iv) EXIT
- (d) DBMS manages the interaction between _____ and database.
- (i) Users
 - (ii) Clerks
 - (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

- (i) The form module has file extension _____
- .frm
 - .frb
 - .fru
 - .fra
- (j) The default datatype for Visual Basic is _____
- Integer
 - Boolean
 - Variant
 - 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 :
- Variables
 - Constants
 - Data Type
 - 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 :
- Grouping Controls
 - Aligning
 - Events
 - Methods