

**PGDCA/MSCCS-04/MCA-104/CPVB**

December - Examination 2017

**MSCS/PGDCA/CPVB/ MCA I Year Examination****Programming in Visual Basic and Dot Net****Paper - PGDCA/MSCCS-04/MCA-104/CPVB****Time : 3 Hours ]****[ Max. Marks :- 100**

**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

**Section - A****10 × 2 = 20**

(Very Short Answer Questions)

**Note:** Answer **all** questions. As per the nature of the question delimit your answer in one word, one sentence or maximum upto 30 words. Each question carries 2 marks.

- 1) (i) Define variables and constant.
- (ii) Define object in VB.NET.
- (iii) What are the differences between ASP.NET and Client-Side technologies?
- (iv) What is importance of data validation?
- (v) Write the names of types of advanced operating system.
- (vi) What are dynamic link libraries?
- (vii) What are features of VB.NET?

- (viii) What are records and fields?
- (ix) Define multithreading.
- (x) What do you understand by IDE?

**Section - B****4 × 10 = 40**

(Short Answer Questions)

**Note:** Answer **any four** questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) Distinguish procedural and event driven languages.
- 3) Explain the random access file organization.
- 4) What is shadowing?
- 5) What is cross language compatibility?
- 6) Explain the methods of migrating from VB to VB.NET.
- 7) What do you mean by Polymorphism? How is the run time binding achieved in V.B. NET.
- 8) What do you understand by ASP.NET Development Environment? Explain.
- 9) What is the advantage of Data list control over Data Grid and Repeater control?

**Section - C****2 × 20 = 40**

(Long Answer Questions)

**Note:** Answer **any two** questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) What are error handling routines explain where and when should use the error handlers.
- 11) Differentiate between:
  - (i) Function overloading and function overriding
  - (ii) Abstract class and Interface
- 12) Explain the Life Cycle of web form page.
- 13) The employee list for a company contains employee code, name designation and basic pay. The employee is given a house rent allowance (HRA) of 10% of the basic pay and dearness allowance (DA) of 45% of the basic pay. The total pay of the employee is calculated as Basic Pay + HRA + DA. Write a class to define the details of the employee. Write a constructor to assign the required initial values. Add a method to calculate HRA, DA and total pay and print them out. Write another class with main method. Create objects for three different employees and calculate the HRA, DA and total pay.

---