



PAP-003-004501

Seat No. _____

B. Sc. (I.T.) (Sem. V) (CBCS) Examination

October / November - 2018

CS - 25 : Programming With C#.NET

Faculty Code : 003

Subject Code : 004501

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

Section - I

1 Answer the Following Questions : 20

- (1) Application code is converted into MSIL code by using _____.
- (2) JIT stands for _____.
- (3) _____ Polymorphism is referring to as Dynamic Polymorphism.
- (4) Which keyword is used for allocates memory for variable or object in C#.NET?
- (5) MSIL stands for _____.
- (6) Two methods have the same name but signature is different is known as _____.
- (7) Which method do you invoke on the SQL DataAdapter object to load your dataset with data?
- (8) Which Command is used to compile the C# Program?
- (9) Which method is used to call Message Box?
- (10) Which namespace is used in C#.NET for Non-Generic Collection?
- (11) Is Multiple Inheritance Possible in C#.NET?
(Yes/No)

- (12) _____ Keyword is used to declare compile time constant variable in C#.NET.
- (13) _____ Property of Form is used to convert SDI Form into MDI Form.
- (14) Which namespace is required for OleDb Data Connection?
- (15) Code that targets the Common Language Runtime is known as _____
- (16) Which of .NET Components can be used to remove unused references from the heap?
- (17) Which of the modifiers is used when a virtual method is redefined by a derived class?
- (18) CLR stands for _____.
- (19) Which method of Combo Box is used to add a value at specified position?
- (20) Does Queue work like LIFO? (Yes / No)

Section - II

- 2** (a) Attempt any **three** from the following : **6**
- (1) What is Jagged Array? Explain with suitable example.
 - (2) What is Boxing and Unboxing?
 - (3) Explain CTS.
 - (4) Explain Sealed Class with suitable example.
 - (5) What is Abstract Class and method?
 - (6) Explain Message Box.
- (b) Attempt any **three** from the following : **9**
- (1) What is Delegate? Explain multicast delegate with suitable example.
 - (2) Write a note on Garbage Collector.

- (3) Differentiate: Manage Code v/s Unmanaged Code.
- (4) Explain Access Modifier in detail.
- (5) What is JIT? Explain types of JIT Compiler.
- (6) Explain timer control with suitable example.

(c) Attempt any **two** from the following : **10**

- (1) Explain OpenFileDialog with example.
- (2) Explain types of project in C#.NET.
- (3) Explain Data View with example.
- (4) Explain Visual Studio as IDE.
- (5) W.A.P to display record from Employee Table (ID, Name, city, Gender) using SqlDataReader.

3 (a) Attempt any **three** from the following : **6**

- (1) Explain Tree View Control with example.
- (2) List the different .NET framework version.
- (3) What is Namespace? Explain it.
- (4) Explain Metadata in C#.NET
- (5) Differentiate: Dataset v/s Datatable.
- (6) List any three methods of sql Command Class.

(b) Attempt any **three** from the following : **9**

- (1) What is Constructor? Explain types of constructor with example.
- (2) Explain Radio Button and Check Box Control with suitable examples.
- (3) Differentiate: Connected Architecture v/s Disconnected Architecture.
- (4) Differentiate: Panel v/s Group Box.
- (5) Explain Stack Class with its method.
- (6) Explain Feature of .NET Platform.

(c) Attempt any **two** from the following : **10**

- (1) Write a Program to add a unique item in List Box.
- (2) Write a program which is able to load a text file in rich textbox and save it.
- (3) Explain Data row and Data column with example.
- (4) What is Reflection? Explain it with suitable example.
- (5) Write a program to insert a record into studentinfo table (Id,Name,city,pincode) and display that record in datagridview using dataset.
