



Seat No. _____

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY) (W.E.F. 2019) BSCIT (2019) Semester - 4 Examination

BSCIT - 4 April-2023

CS-20 PROGRAMMING WITH C# :

003

Subject Code : 0032044002 CS-20

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 Write full form of IDE.
 - 2 Explain Managed code.
 - 3 Explain Unmanaged Code.
 - 4 What is Metadata.
- (B) Answer in brief (Any one out of two) 2
- 1 Explain : JIT and types.
 - 2 Describe Namespaces.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain: Array with all Types.
 - 2 Explain FCL.
- (D) Write a note on (Any one out of two) 5
- 1 List all and Describe any one Looping Structure.
 - 2 Explain .Net Framework with advantages and Disadvantages.
- 2 (A) Answer the following: 4
- 1 What is Static Member?
 - 2 What is Non-Static Member?
 - 3 Explain : Sealed class.
 - 4 Explain : Abstract class.
- (B) Answer in brief (Any one out of two) 2
- 1 Explain: Interface Inheritance.
 - 2 Explain Encapsulation in detail.

- (C) Answer in detail (Any out of two) 3
- 1 Explain: ArrayList, Stack and Queue.
 - 2 Explain "ref" and "out".
- (D) Write a note on (Any one out of two) 5
- 1 Explain: Creating and using pointers with example.
 - 2 Explain: Constructor with Overloading.
- 3 (A) Answer the following: 4
- 1 Describe: ComboBox.
 - 2 Describe: ListBox.
 - 3 Describe: ScrollBox.
 - 4 Describe: PictureBox.
- (B) Answer in brief (Any one out of two) 2
- 1 Write Steps to create windows Application.
 - 2 Explain: MenuStrip & ContextMenuStrip.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain: MessageBox class with all types of show () methods.
 - 2 Explain: Timer control with example.
- (D) Write a note on (Any one out of two) 5
- 1 List and Explain All DialogBoxes.
 - 2 List and Explain any 3 Events with Example.
- 4 (A) Answer the following: 4
- 1 Explain: Datarow.
 - 2 Explain: DataColumn.
 - 3 Explain: DataRelation.
 - 4 Explain: Dataview.
- (B) Answer in brief (Any one out of two) 2
- 1 Explain Data providers in ADO.Net.
 - 2 Explain Connection object with Example,
- (C) Answer in detail (Any one out of two) 3
- 1 Explain Disconnected Architecture.
 - 2 Explain Connected Architecture with Example.
- (D) Write a note on (Any one out of two) 5

- 1 Write code to Insert Record using Disconnected Architecture.
 - 2 Write code to Delete Record using connected Architecture.
- 5 (A) Answer the following: 4
- 1 What is file system Editor?
 - 2 What is user Interface Editor?
 - 3 What is Launch Condition Editor?
 - 4 What is Summary in reports?
- (B) Answer In brief (Any one out of two) 2
- 1 Explain types of Reports.
 - 2 Explain setup project.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain Report sections of crystal Reports.
 - 2 Explain Crystal Reports and Write Steps to Create Crystal Reports.
- (D) Write a note on (Any one out of two) 5
- 1 Write a Program to Create and use User Control.
 - 2 List out and Explain Types of Setup Projects.