

C. U. SHAH UNIVERSITY

Summer Examination-2022

Subject Name: .NET Programming

Subject Code: 4CS04IDN1

Branch: B.Sc.I.T.

Semester: 4

Date: 04/05/2022

Time: 11:00 To 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions:

(14)

a) Which are the benefits of .NET Framework?

- | | |
|------------------------------|--------------------------|
| i) Reliability & Scalability | iii) Flexible Deployment |
| ii) Open Source Framework | iv) All Of The above |

b) The work of CLR is?

- | | |
|-----------------------------------|-------------------------------------|
| i) Byte Code into the Source Code | iii) Source Code into the Byte Code |
| ii) Both A & B | iv) None of these |

c) By Which property, the control does not display on Windows Form.

- | | | | |
|-----------|-----------|--------------|-------------------|
| i) Enable | ii) Value | iii) Visible | iv) None of these |
|-----------|-----------|--------------|-------------------|

d) BCL stands for _____

- | | |
|---------------------------|-----------------------------|
| i) Base Class Library | iii) Basic combine language |
| ii) Best Coading Language | iv) None of these |

e) The code that runs under CLR is called _____?

- | | | | |
|-----------------|--------------------|---------------|-------------|
| i) Managed Code | ii) Unmanaged Code | iii) COM Code | iv) Pincode |
|-----------------|--------------------|---------------|-------------|

f) Which of the following is not a valid data type in .Net?

- | | | | |
|-----------|-----------|------------|----------|
| i) Double | ii) Int32 | iii) Int16 | iv) MIME |
|-----------|-----------|------------|----------|

g) Which of the following is a property of ScrollBar?

- | | | | |
|----------|-----------------|------------------|----------------------|
| i) Value | ii) SmallChange | iii) LargeChange | iv) All of the above |
|----------|-----------------|------------------|----------------------|

h) C# is which type of language.

- | | | | |
|--------|----------|-----------------|-------------------|
| i) POP | ii) OOps | iii) Both A & B | iv) None of these |
|--------|----------|-----------------|-------------------|

i) Which of the application supported by C#.

- | | |
|----------------------|----------------------------------|
| i) Windows services | iii) Windows client applications |
| ii) Backend services | iv) All of the above |

j) Which of the following is a Parameter of MessageBox?

- | | | | |
|------------|------------|-----------|----------------------|
| i) Message | ii) Button | iii) Icon | iv) All of the above |
|------------|------------|-----------|----------------------|

k) Which is not common Property?

- | | | | |
|--------------|----------|--------------|-----------------|
| i) BackColor | ii) Font | iii) Visible | iv) MaximizeBox |
|--------------|----------|--------------|-----------------|



- l) Which of the following class provide “Fill (DataSet)” method?
i) SqlConnection class iii) SqlDataAdapter class
ii) SqlCommand class iv) None of these
- m) Which dialog box provides “Full open” Property
i) ColorDialogBox iii) OpenFileDialogBox
ii) FontDialogBox iv) None of these
- n) Which of the following is a benefits of ADO .NET
i) Interoperability ii) Scalability iii) Productivity iv) All of the above

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions (14)

- a) What is .Net? Explain .Net Framework in detail. (05)
b) What is C#? Why C# is needed? (05)
c) What is the difference between C# and C++ (04)

Q-3 Attempt all questions (14)

- a) Write a note on components of .NET Framework. (05)
b) What is Data type? Explain Data types in detail. (05)
c) What is Variable? Explain scope of Variable. (04)

Q-4 Attempt all questions (14)

- a) Explain common Properties of Control in window application. (05)
b) Explain ListBox control with its property, method and events. (05)
c) Explain MessageBox class in detail. (04)

Q-5 Attempt all questions (14)

- a) Explain different types of Decision Making Statement with example. (07)
b) List out DialogBoxes. Explain any two DialogBox in details. (07)

Q-6 Attempt all questions (14)

- a) Differentiate: MDI Vs. SDI (05)
b) Explain MenuStrip control available in windows application. (05)
c) Explain connected and Disconnected Architecture in ADO .NET. (04)

Q-7 Attempt all questions (14)

- a) Write a note on SqlConnection class and SqlCommand class. (05)
b) Explain DataGridView control in detail. (05)
c) What is Crystal Reports? Explain types of Crystal Reports. (04)

Q-8 Attempt all questions (14)

- a) Write a console application to enter number and check given number is Armstrong or not. (07)
- b) Write a program to insert and display the data of student table in window application(07)
Student table having the following field(Id int, Rollno int, name varchar(max), stream varchar(max), gender varchar(max), email varchar(max), contact int.)

