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III Semester B.C.A. (NEP) Degree Examination, January/February 2025
COMPUTER SCIENCE
C# and Dot Net Framework

Time : 2 Hours Max. Marks : 60

SECTION – A

1. Answer the following sub-questions. **Each** sub-question carries **one** mark. **(10×1=10)**
   a) What is the basic building block of a web page ?
   b) Name a popular client side scripting language.
   c) What is the difference between a struct and a class in C# ?
   d) What is polymorphism ?
   e) What is keyword ?
   f) Define Events.
   g) What is the use of Group box control in a windows form ?
   h) Why do we use Progress bar in windows applications ?
   i) Expand ASP.
   j) Name the method used to open a database connection in ADO.NET.

SECTION – B

Answer **any four** of the following questions. **Each** question carries **five** marks. **(4×5=20)**

2. Explain the structure of a basic HTML document with an example.
3. Explain any four string methods with examples.
4. Compare and contrast switch and choose in VB.NET with example.
5. How are scroll bars added to forms in VB.NET ? Illustrate with an example.
6. Discuss the data reader and data adapter in ADO.NET.
7. Write a note on operators in C#.

P.T.O.

SECTION – C

Answer **any three** of the following questions. **Each** question carries **ten** marks. **(3×10=30)**

8. Differentiate between client side and server side scripting.

9. What is inheritance ? Explain any two inheritances with an example.

10. Discuss the various loop structures available in VB.NET.

11. What are functions and subroutines ? Demonstrate the functions and subroutines in C# .NET.

12. Discuss the difference between ADO and ADO.NET.

No. of Printed Pages : **2**

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B.C.A. III Semester Degree Examination, April/May - 2024

COMPUTER SCIENCE

C# and Dot Net Framework

10486

(NEP)

Time : 2 Hours Maximum Marks : 60

SECTION - A

Answer **all** the questions. Each question carries **one** mark. **10x1=10**

1. (a) What is Scripting language ?

(b) Write any two server-side technologies.

(c) What is boxing ?

(d) What is an interface ?

(e) What is docking ?

(f) What is VB.Net ?

(g) Write any two data types in VB.Net.

(h) Write any two properties of Text-Box control in VB.Net.

(i) What is ADO.Net ?

(j) What is data reader ?

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SECTION - B

Answer **any four** of the following questions. Each question carries **five** marks. **4x5=20**

2. What are the advantages and disadvantages of client-side scripting language ?

3. Write a C# program to demonstrate classes and objects.

4. Explain delegates with programming example.

5. Explain subroutines and functions with example in VB.Net.

6. Explain foreach statement with syntax and example.

7. Write a short note on Combo-box control.

P.T.O

SECTION - C

Answer **any three** of the following questions. Each question carries **ten** marks. **3x10=30**

8. What are Literals ? Explain different types of literals in C#.Net.

9. Explain different types of looping statements in VB.Net.

10. What is an inheritance ? Explain different types of inheritance with example.

11. Write a short note on :

(a) Track bar control

(b) Timer control

12. Explain the Architecture of ADO.Net.

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No. of Printed Pages : **2**

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B.C.A. III Semester Degree Examination, March/April - 2023

COMPUTER SCIENCE

C# and Dot Net Framework

(NEP)

Time : 2 Hours Maximum Marks : 60

Note : *Answer **all** sections.*

SECTION - A

1. Answer **all** the questions. Each question carries **one** mark. **10x1=10**

(a) Define web browser.

(b) Write any two basic HTML Tags.

(c) Who developed C# ?

(d) Write any two string functions.

(e) Write any two data types in VB.net.

(f) What is event in VB.net ?

(g) Write any two properties of label control in VB.net.

(h) Write two types of scrollbars in VB.net.

(i) What is data adopter ?

(j) Expand ADO and ASP.

SECTION - B

Answer **any four** of the following. Each question carries **five** marks. **4x5=20**

2. Write any five advantages and disadvantages of client side Scripting languages.

3. Write a C# program to demonstrate OOPS concept.

4. Explain different looping statements in VB.net.

5. Explain any two form controls in VB.net with its properties and events.

6. Write the difference between subroutines and functions in VB.net.

7. Write the difference between ADO and ADO.Net.

P.T.O.

SECTION - C

Answer **any three** of the following. Each question carries **ten** marks. **3x10=30**

8. Explain difference between client side scripting and server side scripting.

9. What is Interface ? Explain with example.

10. Explain select case statements in VB.net with syntax.

11. Write any five properties and events of radio button and checkboxes.

12. Explain the Architecture of ADO.NET.

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III Semester B.C.A. (NEP) (Repeaters) Degree Examination, Dec. 2025/Jan. 2026
COMPUTER SCIENCE
DSC 8 : C# and Dot Net Framework

Time : 2 Hours Max. Marks : 60

SECTION – A

Answer the following sub-questions, **each** sub-question carries **one** mark. **(10×1=10)**

1. a) Name any one advantage of client side scripting.
   b) Mention a server side technology commonly used in web development.
   c) Define enumerations.
   d) Mention the various member access modifiers.
   e) What is docking ?
   f) Which keyword is used to define a variable in VB.NET ?
   g) Define a picture box in VB.NET.
   h) What is subroutine in VB.NET ?
   i) What is ASP ?
   j) Which method is used to open a database connection in ADO.NET ?

SECTION – B

Answer **any four** of the following questions, **each** question carries **five** marks. **(4×5=20)**

2. Explain the structure of a basic HTML document with an example.
3. What are operators ? Discuss any two operators with examples.
4. Discuss the different datatypes available in VB.NET.
5. Describe the features and use cases of the timer and track bar controls in windows applications.
6. Draw the diagram of architecture of ADO.NET.
7. Write a note on exceptions in C#.

P.T.O.

SECTION – C

Answer **any three** of the following questions, **each** question carries **ten** marks. (3x10

8. Differentiate between client side and server side scripting.

9. How to avoid multiple inheritance in C# ? Explain with an example.

10. Discuss the following conditional statements in VB.NET with an example for
    a) if else
    b) select
    c) switch
    d) choose

11. What are functions ? Develop an application for deploying various built i functions in VB.NET.

12. Discuss the difference between ADO and ADO.NET.
