

STATE BOARD OF TECHNICAL EDUCATION AND TRAINING
TELANGANA
DIPLOMA EXAMINATION (C-21)
AUG-24
SEMESTER V, MID-I EXAM
CCB/CS
CS-574
.NET Programming Through C#



**PCODE
15041**

Exam Date: 12-08-2024
Duration: 1 Hour [02:00 PM To 03:00 PM]

Session: AN
[Total Marks: 20]

PART-A

Instructions: 1. Answer the following questions. 4 X 1 = 4
2. Each question carries ONE mark.

1. List any two features of .net framework.
2. Write the full form of CLR and IL.
3. List the types of constructors in C#.
4. List the access specifiers in C#.

PART-B

Instructions: 1. Answer the following questions. 2 X 3 = 6
2. Each question carries THREE marks.

- 5(a). Define IDE (Integrated Development Environment) and explain any two features of Visual studio

--- OR ---

- 5(b). Explain Server Explorer Window and Error List Window of visual studio.
- 6(a). Describe how structure is created in c#.net with syntax.

--- OR ---

- 6(b). Write about single level Inheritance

PART-C

Instructions: 1. Answer the following questions. 2 X 5 = 10
2. Each question carries FIVE marks.

- 7(a). Explain about CTS and CLS in .NET.

- OR ---
- 7(b). Explain any five features of .Net framework.
- 8(a). Explain about local variable and instance variable with suitable C# program
- OR ---
- 8(b). Write a C# program to find the factorial of a number using both recursive and iterative approach.

22240-CS-065

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PCODE
15041

Exam Date: 26-09-2024

Session: AN

Duration: 1 Hour [01:30 PM To 02:30 PM]

[Total Marks: 20]

PART-A

- Instructions:**
1. Answer the following questions.
 2. Each question carries ONE mark.

4 X 1 = 4

1. List various states of thread life cycle.
2. Define user-defined exception.
3. What is used to call an anonymous method?
4. Define an event in C#.

PART-B

- Instructions:**
1. Answer the following questions.
 2. Each question carries THREE marks.

2 X 3 = 6

- 5(a). Write any three Thread class properties and methods.
----- OR -----
- 5(b). Describe try, catch, and finally blocks.
- 6(a). Explain about indexes in C#.NET
----- OR -----
- 6(b). List any three features of generics in C#.NET

PART-C

- Instructions:**
1. Answer the following questions.
 2. Each question carries FIVE marks.

2 X 5 = 10

- 7(a). Write a C# program to create Multiple Threads.
----- OR -----

- 7(b). Write a C# program to set and get Thread priorities.
- 8(a). Write a C# program on passing parameters to anonymous methods in C#.NET.
----- OR -----
- 8(b). Write a C#.NET program on type of operator

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PCODE
15041

Exam Date: 12-11-2024

Session: FN

Duration: 2 Hours [11:30 AM To 01:30 PM]

[Total Marks: 40]

PART-A

Instructions: 1. Answer the following questions.
2. Each question carries **ONE** mark.

8 X 1 = 8

1. Define enum and interface.
2. Define the term Generic in C#. NET programming.
3. What is deployment in Windows application ?
4. Define thread priority.
5. Define Data Grid Control.
6. Why MenuStrip control is used?
7. Define LINQ.
8. Define Simple data binding.

PART-B

Instructions: 1. Answer the following questions.
2. Each question carries **THREE** marks.

4 X 3 = 12

- 9(a). Explain Server Explorer Window and Error List Window of visual studio.
— OR —
- 9(b). What are the various User interface elements used in windows application ?
- 10(a). Explain different states of Thread life cycle.
— OR —
- 10(b). Write any three differences between typed and untyped dataset objects.
- 11(a). What are the steps to design a sample windows application ?
— OR —
- 11(b). Write the properties of Text Box control.

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- 12(a). List any six features of ADO.NET.
— OR —
- 12(b). Write a short notes on LINQ partitioning operators.

PART-C

Instructions: 1. Answer the following questions.
2. Each question carries **FIVE** marks.

4 X 5 = 20

- 13(a). Explain in detail about CLR architecture with a neat sketch.
— OR —
- 13(b). Explain the steps to Design a windows application to perform arithmetic operations using Label, textbox and button controls
- 14(a). Explain User Defined Exceptions with example program.
— OR —
- 14(b). Explain Connection, Dataset and Data adaptor object.
- 15(a). Develop a login web page in ASP.NET web application with Label, Text Box and Button Controls
— OR —
- 15(b). Explain handling of keyboard events with program
- 16(a). Write a c# program on LINQ query expression.
— OR —
- 16(b). Write a C# program to insert a row in a table

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