

# CBCS SCHEME



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15CS564

## Fifth Semester B.E. Degree Examination, June/July 2018 Dot Net Frame Work for Application Development

Time: 3 hrs.

Max. Marks: 80

*Note: Answer any FIVE full questions, choosing one full question from each module.*

### Module-1

- 1 a. Define namespace. Explain simple C# program. (04 Marks)  
b. Define variable. How it is declared, initialized and accept value from user. (04 Marks)  
c. Explain method with syntax. Write a C# program for method overloading. (08 Marks)

OR

- 2 a. Write a C# program for factorial of a given number using recursive method. (04 Marks)  
b. Write a C# program for largest of three number using logical AND operator. (04 Marks)  
c. Explain try, catch, finally, throw with syntax and example. (08 Marks)

### Module-2

- 3 a. Explain value type and reference type, with an example. (06 Marks)  
b. Explain different access modifier. (04 Marks)  
c. Define class, object and structure. What are the difference between class and structure? (06 Marks)

OR

- 4 a. Explain different types of constructor with an example. (10 Marks)  
b. Define Enum with syntax. Write a C# program that accept a default value as zero for weekday. (06 Marks)

### Module-3

- 5 a. Explain inheritance with an example. What are the advantage and disadvantage of inheritance? (06 Marks)  
b. Write a C# program using multilevel inheritance. (06 Marks)  
c. Difference between method overloading and method overriding. (04 Marks)

OR

- 6 a. Define interface. How it declared and accessed? Demonstrate with an example. (08 Marks)  
b. Explain abstract class and abstract method, with syntax and example. (08 Marks)

### Module-4

- 7 a. Explain set and get access method with an example. (08 Marks)  
b. Define indexer with syntax. What are uses of indexer? Demonstrate with an example. (08 Marks)

OR

- 8 a. Define Generic. Write a C# program for swapping of two numbers using generic method. (08 Marks)  
b. Explain push, pop, peek, contain clear method with an example. (08 Marks)

### Module-5

- 9 a. Explain delegate. How it is declared? Give with an example. (08 Marks)  
b. Define Event. How Event is created by using delegate, demonstrate with an example. (08 Marks)

OR

- 10 a. Write a C# program for operator + overloading. (08 Marks)  
b. Explain Linq, with syntax and example. What are the advantage and disadvantage of Linq? (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.