

Hall Ticket Number:

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II/IV B.Tech (Supplementary) DEGREE EXAMINATION**April, 2018****Third Semester****Time:** Three Hours**Common for CSE & IT****Object Oriented Programming****Maximum : 60 Marks***Answer Question No.1 compulsorily.*

(1X12 = 12 Marks)

Answer ONE question from each unit.

(4X12=48 Marks)

(1X12=12 Marks)

1. Answer all questions
 - a) What is the significance of static keyword?
 - b) What is unmanaged code.
 - c) What is purpose of @ identifier?
 - d) List various operators that cannot be overloaded.
 - e) What is the use of indexers?
 - f) List the various access specifiers in C#.
 - g) Define exception.
 - h) List various stream classes.
 - i) What is an event?
 - j) Define Generic class?
 - k) What is the purpose of #define directive.
 - l) Define collection.

UNIT I

2. a) Explain C# value types and program control statements with examples. 6M
 - b) Write a program to display the Fibonacci series up to given number N in C# . 6M
- (OR)**
3. a) Explain the three pillars of object-oriented programming in C#? 6M
 - b) Define Array. Explain the syntax to declare, initialize and access elements from the following array types with an example. 6M
- (i). Single Dimensional Array. (ii). Jagged Array

UNIT II

4. a) Explain inheritance in C# with an example. 6M
 - b) Explain interface concept with an example. 6M
- (OR)**
5. a) Write a short note on enumeration and explain its usage with an example. 6M
 - b) Explain overloading operators in C# with an example to overload operators +, -, *, > and < 6M

UNIT III

6. a) Write a short notes on a) Console I/O b) Stream class 6M
 - b) Write a C # Program to demonstrate the use of FileStream Classes. 6M
- (OR)**
7. Write a C# program to compute and display sum, difference, and multiplication of two numbers by writing appropriate methods which could be called through multicast delegate method of programming. 12M

UNIT IV

8. a) What is namespace? Explain the purpose of namespace with an example. 6M
 - b) Write a c# program using a generic class with two type parameters. 6M
- (OR)**
9. a) Describe properties and methods of ArrayList Class with example program. 6M
 - b) Explain the C# pre-processor directives with examples. 6M