**A.Y: 2017-18**



Department of Computer Science and Engineering

**BAPATLA ENGINEERING COLLEGE, BAPATLA**

(AUTONOMOUS)

**Second Assignment**

Class: **II/IV B.Tech.(CSE) Sec A,B,C 1stSem** Max.marks : **10m.**

Subject: **Object Oriented Programming (14CS306)** Time: **50mins.**

Date: **23-09-17**

**Essay Questions:**

1. a. Explain the syntax of try, catch, finally blocks.
2. Explain Uncaught Exceptions and how to handle all exceptions.
3. Write nested try program that handle IndexOutOfRangeException and DivideByZeroException.

2. a. Explain the System.Exception class, its properties and methods.

b. Explain throw and rethrow of exceptions.

c. Design a class stack with exception handling.

3. a. Explain delegates with an example.

b. Explain Multicasting delegates with an example.

c. Explain covariance and contravariance with examples.

4. a. Explain anonymous methods with an example.

b. Explain Events with an example of clocktick event.

5. a. Explain byte streams, Stream class and its methods.

b. Explain FileStream class and its methods.

c. Write a program to copy a given file to another.

6. a. Explain character streams, TextReader, TextWriter classes and its methods.

b. Explain StreamReader and StreamWriter classes.

c. Explain a program to copy a given file to another using Character streams.

**One Mark Questions:**

1. What’s a multicast delegate?What are the ways to register a method with delegates?
2. What is Covariance and Contravariance?
3. What is an anonymous method?
4. What is an event? Give the declaration syntax of event and explain?
5. What are event accessors and give its form?
6. What is a stream? What is the use of ReadLine()?
7. What is a BinaryWriter and BinaryReader?
8. Define exception and exception handler?
9. What is the base class for all exceptions and what is the important subclass of exception?
10. What are the keywords used in handling C# exceptions? Define them?
11. What is consequence of an uncaught exception?
12. What are the main properties defined by Exception? Define them?
13. What are the constructors defined by Exception?
14. What is the use of checked and unchecked keyword?
15. What is the purpose of finally block?