

YMCA UNIVERSITY OF SCIENCE & TECHNOLOGY, FARIDABAD

B.TECH 6TH SEM (UNDER CBS)

.NET TECHNOLOGY(IT-310)

Time: 3 Hours

Max. Marks:60

- Note: 1. It is compulsory to answer the questions of Part -1. Limit your answers within 20-40 word in this part.
2. Answer any four questions from Part -2 in detail.
3. Different parts of the same question are to be attempted adjacent to each other.
4. Use of unmarked Steam tables, Mollier charts etc. is allowed.
5. Assume suitable standard data wherever required, if not given.

PART -1

- Q1 (a) Differentiate between features of C++ and C# (2)
(b) What is the purpose of Framework Base Classes (2)
(c) How a Structure is different from a Class? (2)
(d) Explain any five functions of StringBuilder Class (2)
(e) What is the Purpose of Indexer (2)
(f) Explain different types of Datasets used in ADO.Net (2)
(g) What are Abstract classes? Why they are used? (2)
(h) Explain purpose of Web services with an example (2)
(i) What are hidden fields? How they are used for caching information (2)
(j) What is the relationship between CurrencyManager and BindingContext (2)

PART -2

- Q2 (a) Explain .NET Framework, MSIL and Assembly (5)
(b) What .NET solves the COM problems (5)
- Q3 (a) Explain C# boxing, unboxing with the help of example (5)
(b) What is information hiding? How it is different from Function overriding? WAP in C# to prevent inheritance of a method in a child class. (5)
- Q4 (a) Write a program to create menus and context menus for common dialog controls used in VB.Net. (5)
(b) Explain different constructors and destructors used in VB.Net and also explain their execution sequence. (5)
- Q5 (a) What are the features of ADO.Net. WAP to show different filtering techniques used in ADO.Net (10)
- Q6 (a) WAP to demonstrate the usage of Validation Controls. (5)
(b) Explain ASP.Net Web Service Architecture (5)
- Q7 Write Short note on following :Data Reader, Directives in ASP.Net , GAC, Procedures in VB.Net (10)
