RR-4015-16

M. Sc. (I.T.) (Sem. VII) (A.T.K.T.) Examination
March / April – 2010
APE - I

Time : **3** Hours]   [Total Marks : **70**

RR-4015

Instructions :

(1)

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┌─────────────────────────────────────────────┐   Seat No. :
│ નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  │   ┌──┬──┬──┬──┬──┐
│ Fillup strictly the details of ☛ signs on your answer book. │   │  │  │  │  │  │
│ Name of the Examination :                     │   └──┴──┴──┴──┴──┘
│ ☛ M. SC. (I.T.) (SEM. 7) (A.T.K.T.)           │
│ Name of the Subject :                         │   Student's Signature
│ ☛ APE - 1                                     │
│ ☛ Subject Code No. : [4][0][1][5] ☛ Section No. (1, 2,.....) : [1] │
└─────────────────────────────────────────────┘
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(2)   Write section I and section II in separate sheet with different subject code.

(3)   Draw the figure and give example whenever necessary.

1   Answer the following questions : (any **two**)   **10**
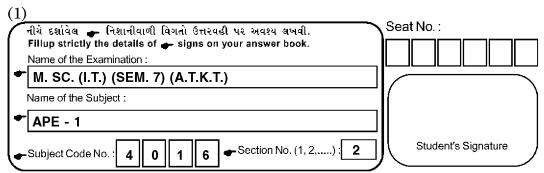
    (1)   Explain .Net Architecture in detail.

    (2)   How automatic memory management is done in .Net ? Explain with example.

    (3)   Explain the concept of Interface in C#.Net using proper example.

2   Answer the following questions : (any **two**)   **10**

    (1)   Explain the difference between Sealed and Abstract Class with example.

    (2)   What is Indexer ? How it is helpful in program ? Give proper example.

    (3)   How to create one console based application in C#.Net? Explain step by step process.

3   Answer the following questions :   **15**

    (1)   How to create multi-lingual application in .Net ?

    (2)   Write a note on CLR.

    (3)   Explain Threading concept using C#.Net ?

RR-4015-16]   1   **[Contd...**

RR-4016

Instructions :

(1)

(2) Write section I and section II in separate sheet with different subject code.

(3) Draw the figure and give example whenever necessary.

4 Answer the following questions : (any **three**) **15**

(1) Discuss .Net exception handling concept in detail.

(2) What is the significance of get and set methods ? Explain with an example.

(3) What is Serialization ? Explain XML serialization with example.

(4) What is Collection ? Create a program using any collection object in C#.

5 Differentiate followings with reference to C#.Net : (any **two**) **10**

(1) Referencing Types and Value Types

(2) Override and Overloading

(3) Delegates and Events.

6 Explain following Access Modifier with suitable example : **10**

(1) Public

(2) Private

(3) Protected

(4) Internal

(5) Protected Internal.

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