Master of Computer Application (MCA-II) Third Semester (Old)
MCA235 - Paper-V : Front End Development Using VB.NET

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Notes : 1. All questions are compulsory and carry equal marks.
          2. Draw neat and labelled diagram wherever necessary.
          3. Avoid vague answers and write answers relevant to questions only.

1.   EITHER.

a)   Explain ·NET framework in detail.   **8**

b)   What do you mean by Garbage collection? Explain Architecture of GC.   **8**

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OR

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c)   Write a short note on: **8**
     i)   CTS   iv)   MSIL

d)   Explain CLR and CLS in detail.   **8**

2.   EITHER.

a)   Explain various features of VB·NET.   **8**

b)   Explain types casting with suitable example.   **8**

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OR

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c)   Explain any two control flow statement with example.   **8**

d)   Explain following :   **8**
     i)   Boxing and unboxing.   ii)   Sub programs.

3.   EITHER.

a)   What is Delegates? Explain its types with suitable example.   **8**

b)   Write a program in VB·NET to check entered multidigit number is palindrome or not.   **8**

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OR

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c)   Explain testing phases and its strategies in detail.   **8**

d)   Write a note on :-   **8**
     i)   Method overloading.   ii)   Inheritance.

4. EITHER.

    a)   Explain ADO·NET object in detail.   **8**

    b)   Write a note on :-   **8**
        i)   Data reader.   ii)   Data Adapter.

<div align="center">OR</div>

    c)   Discuss N-Tier database application.   **8**

    d)   What do you mean by stored procedure? Explain with suitable example.   **8**

5.   Attempt all the questions.

    a)   Write a short note on application domain.   **4**

    b)   Explain option statement in detail.   **4**

    c)   Explain any two basic control with its properties.   **4**

    d)   Write a note on connection pooling.   **4**

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