

M.C.A. Second Semester (First Year) (CGS)
15511 : Object Oriented Programming : 2 MCA 2 / 2 CS 2

P. Pages : 2

Time :



AU - 3154

Max. Marks :

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Assume suitable data wherever necessary.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) How to develop a software in VB.Net? What are the steps for it. Also explain life-cycle approach. 7
- b) How to design a class in VB.Net? Explain with example. 7

OR

2. a) How to write Algorithm? Write algorithm for to check greatest number among two numbers. 7
- b) What is Object relationship? Explain. 7
3. a) Explain structural variables and enumerations with example. 6
- b) Write a program in VB.Net to check whether the given no. is positive or negative.

OR

4. a) Explain Object Orientation and variables in VB.Net. 6
- b) Write a program in VB.Net having a function calculateSquare() that returns square of a number. 7
5. a) What is an Array? How to define it. Give example. 7
- b) Write a program in VB.Net for interface Inheritance. 6

OR

6. a) What are the different data structures available in VB.Net? Explain. 7
- b) Explain Polymorphism with example. 6
7. a) What is WinForm Application? What is its structure? 7
- b) What is control collection? Explain with example. 6

OR

8. a) How to create dialog boxes in WinForm Application? Give example. 7

- b) Explain various form styles with example. 6
9. a) What are the various Windows accessing controls? Explain. 7
- b) How to use graphics in Windows Programs? Write example. 6

OR

10. a) Explain simple Input controls with example. 7
- b) What are the various software patterns? Explain. 6
11. a) Explain: 7
- i) Computer files
- ii) File storage in detail.
- b) Explain how data can be accessed in three tiered system in detail with example. 7

OR

12. a) What is serialization? Explain code serialization and automated serialization with example. 7
- b) Write a VB.Net Program to store VB form data containing two labels, two textboxes and two buttons. (Use MS-Access database). 7
