F 3457 (Pages : 2) Reg. No..........................

Name..........................

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Seventh Semester

Branch : Computer Science and Engineering

ADVANCED SOFTWARE ENVIRONMENTS (R)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours Maximum : 100 Marks

Part A

Answer **all** *questions.*
Each question carries 4 marks.

1. Explain the characteristics of Windows programming.

2. What is a button ? Explain its uses.

3. List and explain MFC features.

4. Explain the procedure for handling mouse.

5. With figure illustrate the structure of CORBA stub.

6. Explain the functions of ORB in CORBA.

7. How do you manage references at server ?

8. Explain CORBA object creation in C++.

9. Give a brief description of the functions of clients and servers.

10. Explain the steps for creating child windows.

(10 × 4 = 40 marks)

Part B

Answer **all** *questions.*
Each question carries 12 marks.

11. Describe with examples the event driven programming.

Or

12. Briefly explain windows procedures and explain how drawing is done on windows.

13. Explain different MFC classes with examples.

Or

14. Write the procedures for drawing on MFC windows.

Turn over

15. Describe the fundamental concepts in distributed objects.

Or

16. Write the implementation of CORBA server with C++.

17. Explain CORBA object creation in C++.

Or

18. With Block diagram, explain the architecture of CORBA.

19. Describe the basic architecture of X windows systems and its layers.

Or

20. Explain the procedure for creating windows and graphics context.

$(5 \times 12 = 60 \text{ marks})$