G 1127

(Pages : 2)

Reg. No.................................

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

B.TECH. DEGREE EXAMINATION, MAY 2016

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. Describe the role of windows API.

2. Write a windows program to display "hello world".

3. List the advantages of MFC.

4. Summarize mouse event bundlers and explain.

5. Explain CORBA IDL.

6. Demonstrate a CORBA object and clients.

7. What are CORBA factories ? Elaborate.

8. How are CORBA objects destroyed ?

9. Write a simple hello world application in X-windows.

10. How are child windows created ? Explain.
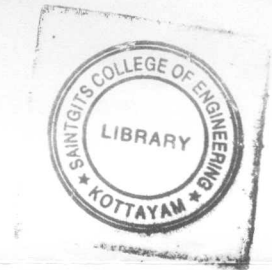
(10 × 4 = 40 marks)

Part B

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

11. (a) Explain event driven programming in detail.

Or

(b) Create a window with menus. Explain the code snippet and the menu options used.

Turn over

12. (a) Explain the use of message maps with necessary illustration.

Or

(b) With relevant code snippet, explain drawing on MFC windows.

13. (a) Summarize the fundamental concepts in distributed objects and explain.

Or

(b) Elaborate implementation of a simple CORBA server with C^{++}.

14. (a) Discuss in detail the creation as well as destruction of CORBA objects.

Or

(b) (i) Write short notes on CORBA factories.

(6 marks)

(ii) Differentiate CORBA architecture from that of DCOM.

(6 marks)

15. (a) Present the basic architecture of X-windows system. Explain the layers in X-windows architecture with necessary illustration.

Or

(b) Illustrate the creation of child window's with necessary illustration.

[5 × 12 = 60 marks]