Code No. : 6410/N

FACULTY OF INFORMATICS
B.E. IV/IV (IT) I SEMESTER (New) (Main) Examination, Nov./Dec., 2009
MIDDLEWARE TECHNOLOGIES

Time : 3 Hours]   **[Max. Marks : 75**

Note :   Answer **all** questions from Part – A. Answer any **five** questions from Part – B.

PART – A	**(Marks : 25)**

1.   How is SOAP different from traditional RPC ?   (2)

2.   What is middleware ? Give examples of middleware services.   (3)

3.   What are different types of servers ?   (2)

4.   What are the types of protocols supported by http servlet ?   (3)

5.   What is ejbPassivation and ejbActivation ?   (3)

6.   What is the purpose of IDL ?   (2)

7.   Compare DCOM and CORBA.   (3)

8.   What is ActionForm in struts Framework ?   (3)

9.   What is container managed persistence ?   (2)

10. Write short notes on ejb servers.   (2)

PART – B	**(Marks : 50)**

11. Explain the following :
     (a)   SOA   (4)
     (b)   SOAP   (3)
     (c)   WSDL   (3)

12. (a)   Explain the servlet lifecycle in detail with the help of API.   (7)
     (b)   What is struts Framework ?   (3)

13. (a) Explain Entity beans in detail. (7)

    (b) What are Callback Methods of session beans ? Explain. (3)

14. (a) Explain CORBA architecture and list responsibilities of ORB. (8)

    (b) What is CORBA Naming Service ? (2)

15. (a) Explain dot NET framework. (6)

    (b) What is Marshalling and Remoting ? (4)

16. Explain the life cycle of session bean in detail. (10)

17. Explain the following :

    (a) Struts Validator Framework (5)

    (b) RML Verses CORBA. (3)

    (c) Proxy and Stub. (2)

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