



Code No. : **6410/N**

FACULTY OF INFORMATICS
B.E. 4/4 (IT) I Semester (New) (Suppl.) Examination, June/July 2010
MIDDLEWARE TECHNOLOGIES

Time: 3 Hours]

[Max. Marks : 75

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

PART – A

25

1. What do you mean by a web service ? 2
2. What is middleware ? 2
3. What is the difference between Http Servlet and Generic servlet ? 3
4. What is an Action class in struts framework ? 3
5. What is the difference between stateless session bean and stateful session bean ? 3
6. What is CORBA ? 2
7. Compare DCOM and CORBA. 3
8. What is bean managed persistence ? 2
9. Write short notes on web servers. 3
10. What is SOAP ? 2

PART – B

50

11. a) How SOAP is different from traditional RPC ? 4
b) Explain SOA. 6

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12. a) What are the life cycle methods of a servlet ? 3
b) Explain struts flow of execution in detail. 7
13. Explain EJB architecture in detail and discuss the API details. 10
14. Write an application for sample stock server using CORBA. 10
15. a) What are COM components ? 4
b) What is difference between Finder methods and home business methods in Entity Beans ? 6
16. Explain the concept of session bean and its types in detail. 10
17. Explain the following :
- a) MVC design pattern in struts. 6
b) Com – data types. 2
c) Basic tags in web.xml. 2