FACULTY OF INFORMATICS

B.E. 4/4 (IT) I - Semester (Supplementary) Examination, June / July 2015
Subject : Middleware Technologies

Time : 3 hours Max. Marks : 75

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (25 Marks)

1. Define the term client / server with its building block. 3
2. Write short notes on SOA. 3
3. What are the basic components of struts framework? 3
4. What are the servlet life cycle methods? 3
5. List the services of EJB container. 2
6. What are the different state management techniques in servlets and write the context in which each technique is used? 3
7. Why are language mapping a necessary part of CORBA. 2
8. What is the difference between Stub and skeleton? 2
9. What are different activation modes in remoting? 2
10. List the COM data types. 2

PART – B (50 Marks)

11. Explain the messaging and queuing middleware. 10
12. Explain different session tracking techniques with examples. 10
13. Explain the CORBA architecture and list the responsibilities of ORB. 10
14. Describe the struts framework in detail. 10
15. a) Compare and contrast COM and CORBA. 5
   b) Explain the architecture of .NET framework. 5
16. Explain EJB3 architecture in detail. 10
17. Write short notes on the following :
   a) Proxy and stub 5
   b) Explain difference between JSP and Servlet. 5

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