FACULTY OF INFORMATICS
B.E. 4/4 (IT) I Semester (Old) Examination, June 2014
MIDDLEWARE TECHNOLOGIES

Time: 3 Hours] [Max. Marks: 75

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

PART – A (25 Marks)
1. Differentiate between client server. 2
2. What is meant by middleware ? 3
3. Discuss about MVC architecture. 3
4. What is the role of validator ? 2
5. What is stateless session bean ? 3
6. Why deployment descriptor is required ? 2
7. What is the use of IDL ? 2
8. Discuss the role of ORB in CORBA. 3
9. Differentiate between stub and skeleton. 2
10. What is the use of CLR in .Net Framework ? 3

PART – B (50 Marks)
11. a) Discuss about Web Services. 5
   b) What are the REST services ? Explain. 5
12. a) Explain about servlet life cycle methods with an example. 5
    b) Write briefly about struts framework. 5
13. Discuss about Entity Beans and Session Beans life cycles. 10
14. a) Describe the architecture of CORBA. 5
    b) Explain IIOP and Dynamic Invocation. 5
15. a) Discuss the overview of .NET architecture. 5
    b) Compare COM and CORBA. 5
16. a) Explain the features of .NET. 5
    b) Discuss data types and interfaces in COM. 5
17. Write short notes on: (5+5)
   a) SOAP  
   b) WSDL.

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