Code No. : **6226/O/S**

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.