

Code No: 155SM

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, July - 2021

MIDDLEWARE TECHNOLOGIES

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

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- 1.a) Illustrate different client-server models.
- b) Discuss the pitfalls of client-server programming. [8+7]
2. Give the three-tier client/server architecture of CORBA/Java object Web. [15]
- 3.a) How are events handled in C# ? Explain with a program.
- b) Does .NET platform support interoperability? Justify your answer. [7+8]
- 4.a) Discuss the process of reflection in .NET.
- b) Explain the key members of the System.IO Namespace. [7+8]
- 5.a) What is AutoLot database? Explain its creation in .NET.
- b) Write a program to demonstrate CORBA's local/remote transparency features. [7+8]
6. How to set up POA based server environment? Discuss client invocations on this server. [15]
7. What JavaBeans can do for CORBA? How CORBA can augment JavaBeans component model? [15]
8. What is an object transaction monitor? Explain the functionality of CORBA object transaction monitor to fulfill the promise of scalable server side objects. [15]

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