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Code No: 155SM

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, August - 2022

MIDDLEWARE TECHNOLOGIES

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

1. What is meant by distributing computing? What are the challenges in implementing distributed computing? Explain with examples. [15]
- 2.a) Explain client-server models.
b) Describe the benefits of client server computing. [7+8]
- 3.a) Illustrate the steps in java database connectivity.
b) Explain object style three-tier client/server model. [7+8]
- 4.a) .NET supports three kinds of assemblies. Briefly explain them.
b) With a suitable code, illustrate inheritance in C#. [7+8]
5. Write a C# program to retrieve student results from a database table against hall ticket number of a student using ADO.NET. [15]
- 6.a) Compare ORBlets with Applets.
b) Demonstrate the use of ADO.NET for accessing data from database. [7+8]
- 7.a) Illustrate CORBA constructed types.
b) Explain multi-valued indexed properties of Java Bean. [7+8]
- 8.a) Describe the Enterprise Java Bean container framework.
b) What is meant by object transaction monitor? Explain its significance in distributed computing. [7+8]

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