Code: 07A61201

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B.TECH III Year II Semester (R09) Supplementary Examinations, December/January 15/16
MIDDELEWARE TECHNOLOGIES
(Information Technology)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Why client/server technology has caught the interest of large and small organizations?
  (b) What are the three key elements of a client/server environment? Explain them.

2   Explain the important RMI classes and interfaces useful for developing client/server applications.

3 (a) What is inheritance? What is its significance?
  (b) Does C# support multiple inheritance? If "Yes" explain it. If "No" how the benefits of multiple inheritance are realized?

4 (a) Write about attribute – based programming.
  (b) Explain data access with ADO.NET.

5 (a) Compare static client/server invocation and dynamic client/server invocation.
  (b) Write notes on dynamic CORBA.
  (c) CORBA is a strongly-typed system. Comment on it.

6 (a) Write notes on CORBA activation services.
  (b) Explain in detail the introspective CORBA/Java object.

7 (a) Is JDK a component framework for JAVA Beans? Justify your answer.
  (b) What are the infrastructure-type services provided to JAVA Beans by JDK?

8 (a) Describe about session and entity beans.
  (b) Explain the EJB container protocol.

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