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2015

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. Explain the use and features of COM in visual programming.
2. Describe Sharing and scalability of DCOM.
3. List out various components of COM/DCOM.
4. Explain process of scalable C/S application development.
5. Describe role of multi-tier architecture for application implementation.

ZV-11/1

(Turn over)

6. How does COM/DCOM supports for database transactions ?
7. Differentiate between distributed computing and stand alone computing.
8. Describe the features of Active X and ADO.
9. Explain common language platform dot net.
10. Define the following :
- (a) CORBA
 - (b) OLE
 - (c) IDL
 - (d) DAO



ZV - 11/1 (510)

(2)

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2018

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. What do you mean by client/server system ? Explain the advantages of client-server software development.
2. What are the functions of a middleware in a three-tier architecture ? Explain two popular middleware standards.
3. What do you mean by COM ? Explain the components of COM.

VE - 11/2 - (2)VKV (S) (00) (Turn over)

4. How does DCOM differ from COM ? Explain the architecture of DCOM.
5. Differentiate between OLE and COM.
6. Compare and contrast between CORBA and COM/DCOM.
7. Can we say, "Two-tier architecture is the practical solution" ? If so, then give the reason. Briefly specify the limitation of two-tier architecture.
8. What is database transaction ? Explain various concurrency problems of database transactions.
9. Explain various security issues related with distributed systems.
10. Write short notes on any two of the following :
 - (a) Message queuing
 - (b) Clustering
 - (c) DLL
 - (d) Queued Components

*object linker
of members*



VE-11/2 (600)

(2)

VKV(5) — BCA (1)

2019

Time : 3 hours

Full Marks : 100

Pass Marks : 40

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

1. Explain various requirements for distributed computing.
2. Compare and contrast Component and Component Technology with Object and Object Technology.
3. What is Component Object Model ? Explain services and features of Component Object Model.

4. How do you implement interfaces in COM ? Explain concepts involved in it with diagram and example.

5. Briefly, specify the reasons for the popularity of client-server software development. What are the advantages and disadvantages of client-server software development ?

6. Explain the architecture of DCOM with suitable diagrams. Explain how client server communication is achieved in DCOM.

7. What is three tier architecture ? Explain the Core Design Methodology of three Tier Architecture.

8. Write in detail about CORBA component model.

9. Explain the necessities and methods for realizing DCOM and CORBA interoperability.

10. Write short notes on the following :

(a) Object adapter

(b) Message queuing

(c) Database transaction

(d) Middleware standards



ZE - 1/1 (800)

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