M. Tech. –II (Computer Engineering) (2011Course) Choice Based Credit System : WINTER - 2018

SUBJECT : COMPUTER ARCHITECTURAL FRAMEWORK

Day : Monday
Date : 19/11/2018

W-2018-3356

Time : 11.00 AM TO 02.00 PM
Max. Marks : 60

N. B. :

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in the **SEPARATE** answer books.
4) Draw neat and labeled diagram **WHEREVER** necessary.
5) Assume suitable data, if necessary.

SECTION - I

Q. 1 Describe using suitable diagram Distributed Object Architecture. State its advantages and disadvantages. **(10)**

OR

What is OLE? Explain the purpose of OLE with suitable example. **(10)**

Q. 2 What are Component Software Problems? Explain in what way COM resolves these problems. **(10)**

OR

What is IDL? State using example the features of IDL. **(10)**

Q. 3 Explain the Cross Apartment Access and Life Cycle Management. **(10)**

OR

Explain using diagram the DCOM architecture. Compare and contrast COM with DCOM. **(10)**

SECTION - II

Q. 4 Explain the working of CORBA. How distributed objects are created in CORBA. **(10)**

OR

Explain in details the various services along with their usage that are offered by CORBA. **(10)**

Q. 5 What is RMI? Compare Naming Bind and Naming Rebind method. **(10)**

OR

What are Stored Procedures? What are the steps required to execute query in JDBC? **(10)**

Q. 6 Explain in detail Integration of Web and Distributed Objects. **(10)**

OR

What is XML? Compare XML with HTML for internet applications. State the rules to be followed by XML document. **(10)**

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