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Total Number of Pages : 01

MCA
MCE505

5th Semester Back Examination 2019-20

DISTRIBUTED SYSTEMS

BRANCH : MCA

Time : 3 Hours

Max Marks : 70

Q.CODE : HB330

Answer Question No.1 which is compulsory and any FIVE from the rest.

The figures in the right hand margin indicate marks.

- Q1 Answer the following questions : (2 x 10)**
- a) Define Distributed system.
 - b) Write the goals of distributed system.
 - c) What is CORBA's CDR?
 - d) What do you mean by Java Object Serialization?
 - e) What is SNS?
 - f) What is virtual memory?
 - g) What do you mean by Peer to Peer system?
 - h) Define logical lock.
 - i) What do you mean by remote object calling?
 - j) Define Distributed Object Based system.
- Q2 a) Explain the key characteristics of one distributed system. (5)**
b) Describe in detail the types of distributed system. (5)
- Q3 a) Explain how inter process communication is done in UNIX. (5)**
b) What id DNS? Explain how name resolution is done. (5)
- Q4 a) Explain distributed co-ordination with example. (5)**
b) What do you mean by distributed mutual exclusion? Explain with example. (5)
- Q5 a) What do you mean by transaction recovery in distributed system? Explain. (5)**
b) Write the characteristics of fault tolerance. (5)
- Q6 Describe design issues of Distributed system. (10)**
- Q7 Write in detail about the distributed operating systems. (10)**
- Q8 Write short Notes on any TWO : (5 x 2)**
- a) Sun NFS
 - b) SOAP
 - c) RPC Vs. Java RMI