Q.P. Code: 27154

3 hours [80 marks]

N. B. :

(1) Question no **1** is **compulsory**.
(2) Attempt **any three** questions out of remaining five.
(3) Figures to the right indicate full marks.
(4) Assume suitable data wherever necessary.

Q1. (a)What is name service? What are its goals? How it is implemented? What is directory? Service. [10]

b) Discuss in detail about deadlock and locking schemes in concurrency control [10]

Q2. (a) Explain the issues to be handled while designing DSM? [10]

(b) Discuss the difference between light weight processes, thread, and normal process. [10]

Q3. (a) Compare data centric and client centric consistencies and explain one consistency model of each type. [10]

(b) Briefly explain SOA life cycle with proper diagram. Also explain the advantages of SOA. [10]

Q4 (a) What are the components of CORBA? List the advantages of CORBA. [10]

(b) What are the Purpose of WSDL? Explain WSDL document structure using Block diagram. [10]

Q5. (a) Describe the different approaches for deadlock detection in a distributed computing system. [10]

(b) Explain Code Migration & role of mobile agent. [10]

Q6. White short note on (**any two**) [20]

(a) EJB.

(b) The .NET architecture.

(c) Distributed protocols.

****

C624DB4C01F29DB656CD4E6D61FFC59A