

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.
