

QUESTIONS – Basic Concepts

Prof. Ananthanarayana V.S.
Dept. Of Information Technology
N.I.T.K., Surathkal

Questions - Fundamentals

1. Discuss five fundamental issues in distributed system
2. What are different transparencies which can be observed in distributed system? List basic transparencies need to be supported by the distributed system.
3. Give main two technical differences between Network OS and Distributed OS.
4. Consider a distributed environment with four systems, A,B,C and D. Name the type of transparencies required in each of the following situations:
 - a. Data available at all four systems and user want to modify the data at D.
 - b. Printer connected to A is disconnected and connected to B. User wants to access that printer.
 - c. Breakdown of system, D.
 - d. User want to access the software X without knowing its whereabouts.
5. Consider that railway reservation system is implemented using distributed environment. List out the possible types of transparencies need to be incorporated in this system. Justify your answer.
6. List any two situation which clearly shows the need for distributed coordination. How this can be achieved?
7. Explain two types of resource management in distributed system.
8. Give characteristics and goals of centralized OS, network OS, distributed OS and cooperative autonomous system.