

	11:1 1 1 A 2 2 A 4
	Vint - 1
	What is DS? Give the important goal to build the DS?
	A Distributed System is a collection of independent computers that
	appear to the user of the system as a single computer.
	Goals to build 33 ->
	1. Resource Availability - A D3 should make resources (printers, files,
	computers, etc) available easily.
	2. Transparency - A &3 should hide the fact that resources and processes
	are scatterred across a network.
	are beungried works a namoral
	3. Openness - An open DS is a system that offers services
	according to standard rules that describe the syntan and semantics
	4. Scalability - It can be reasured along at least 3 dirensions: size,
	geographical distance and administration
d-3)	What is software and explain the layered architectural
	style with layered comminication protocol.
Ans	Software architecture is a description of subsisten and components
	of a software system and the relationship between them.
	The basic idea for the layered style is; components are organised
	in a layered fashion, where component at there layer Ly can
	Make a down call to a lower level Li.
	downcall >
	Layer N
	Layer N
	Layer Ms N-1
	Layer N-1 Layer N-1 Layer N-1
	Layer N-2
	Layer 1



= mycompanion _43304 layered comminication protocol o buch services generally ensure that ressages are delivered in the same order as they were sent. 2. Service is made available in the form of a nelatively single programming interface containing calls to setup connection, send and recteve ressages. Q4) Explain the concept of application layering with suitable example And 1- Applications can often be constructed from noughly 3 different pieces - a part that handles interaction, a part that operates a BB, and a middle part that generally contains the core functionality of the application. 2. Consider a decision support system for stock brokerage. Analogous to a search engine, such a system pan be divided into 3 layers - (i) Implementing UI (i) Back and for accessing DB (iii) The analysis program UI Voer Interface HTML avery Generatore housing Generator Ranking algorithm Data level Simplified organisation of internet search engine

=== mycompanion = 43304 Q.5) Desouble 2 techniques that provide relocation transparency. And I learning a follow re addies behind and letting the ruply use the neverse noute, i.e., no pointer fusion 2. Viny home agent in mobile IP, provided the nobile device spects its horn address. Although a triangular communication pattern arises the chient is not avara of this. Compare some aspects of client server and PRB computing model. What is the main challenge of congrunication in 828. alent Server i) It is n/w a dedicated puth is i) sowrer and destination nodes are implemented in which a new modes directly connected establish a dedicated communication channel through that n/w rodes many communicate. ii) Fach node can request for service in Mient request for service, and and provide services server responds with service in) been not require extensive in Expensive to implement. hardware to setup the n/w. Main phallonger of communication in P2P -> 1. P28 nodel assures that each ractine has somewhat equivalent capabilities, that no nachine is dedicated to serving other. 2. The join and leaving of the nodes of their will and it makes management of topology and resource searching more challenging.