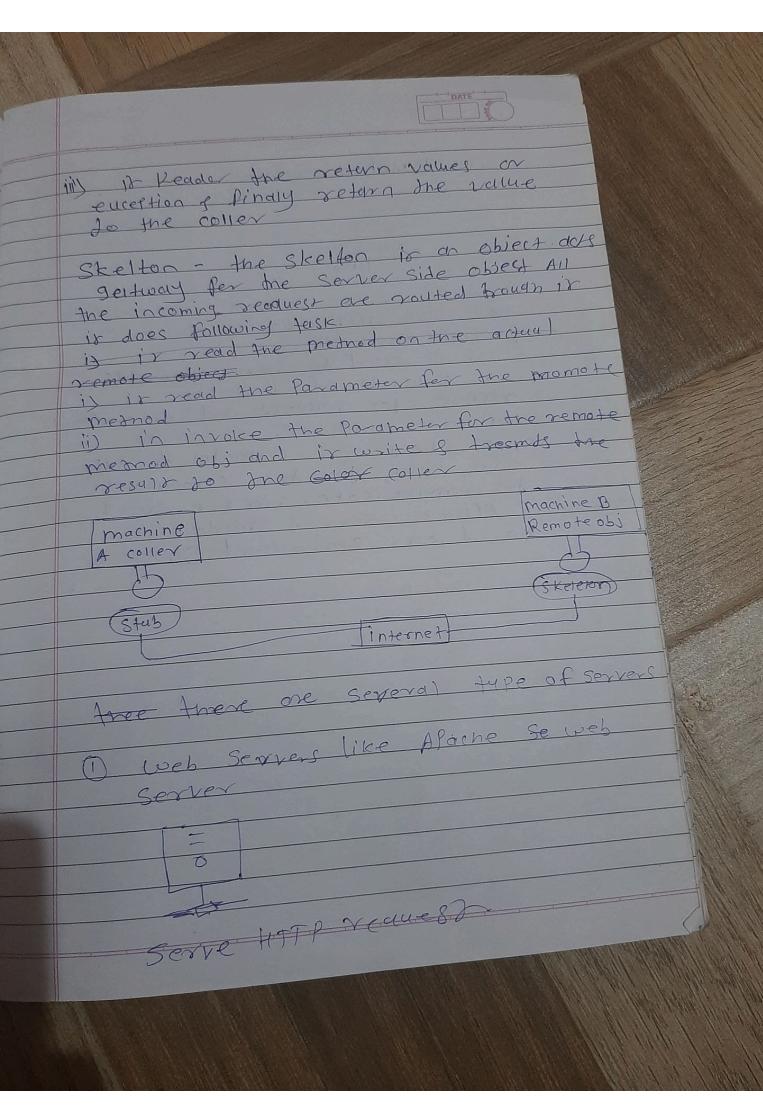


DATE - A server ir computer program Not A Device - high performance computer are called servers becase they run Server - Programs.

- Server Provides functionally &
Service Other Programs called Clued - A Single servere can serve multiple Clients dt the same time. explain Java PMI -9.2 1) the &mI (Kemote method invocelt) is an API that Provides a majorism to Croate distributed application in Jana the RMI dilows on object to invoke methods on a object running in others Jum D PmJ Use Stud of Skenton Object for communication win remote obs Stud - the Stub in on object acts the outgoing reduest routed trough is it does the following Jusk is ir initakes a connection with remote Virtual machine (Tum) ii) Ir corites and bransmirg the Parameters to the remote virtual machine of word fer the Result



ii) Database Servers Pun pms - A server can contain web resourse Host web application stores user & frogram date ete - ir used to Store Hundreds or thousands of Client soon as. reciting for reduest and as responds cesitnes a message. - A Client . Server model it July one way for the computers to communicate. Via the web - Allier server model to hated on cendralized Structure

explain microsoft document (Drom)
microsoft are pistributed component
object model in it remote protocal
designed by microsoft to innoce
pres, it consists of set extension
language of microsoft remote
protocol. Produce call extensions

Q.3

High-level application Protocol
Poc
RPC

Deam Protocol Stack: - Higher-Tree!

application use Deam client to object
optain. abject refrences armace. pppc

Calls on the Object the Dam

Deam uses. the Remote produce

Cell Protocol extension. to Communication the Object

Deam is largery and Platform. Independent promise binory stands

Deam provide the ability to use and reuse components

and reuse components

dynamically reithout recompiling on platform and Jangayre, hetere

Orineiple
Howere. Doom do not home
Alowere. Doom do not home
Ont absolute, way of addressing
on object. Inside-every thing
In done through do object.

Object Adapter ( Server) 1 Bridges the gap beth CORBA object and the Programming language Interfaces of the Stare closses @ credite remote object refres for the corba obj 3 pispotaes each RMI to the appropriate servent class via Sketteten, and activates obj 6) Assion of Unidue hame to 18 Self feach obj Skeleton (server) - An IDL compiler gen denevates skeleten classes in the server languaise - Dispoten RmI's to the affrogride Servent dass 3+4b -- generated by IDL compilering the client language - A Pirosey class is create ferosse oriented language - Stub Procedures are created for proced well January - Implementation Repository -Activates registed server on demond and local servers tree cunhy runny

Interface repository - ix provide into ou about redistreet ideal interface to client & server that reducie oftional for static invocation reduced is oftional afrance invocation 9.4 explain CORBA Architecture. A collection of system lobel Server fer handling low level afflication Services for Handwey system chient and object I'm Plementa Hon Server Chenr application application Direct Return Direct Reducto 0 response request to perpose to cliens Server Server Object feauest broker worlding flow of CORBA. O ORB core - it acts one the object bus orther britte , Providending the

Dir carries out the redugt Reflay Protocol beth client & Server Dir Provide operation that enemy process to be Storted and Stopped (3) It provides operations to correspond Convert bet remote abs refrence and String ii) IDL - CORBA IDL Contracts to Specify the application boundaries and . To estabilish interface with Clients. the IDL , Provides of trachinism by which the distributed application componets, interface Classes, events, attributes and execptions can bespecified. Advantages of COKBA os and programing -language. independence \* Legeny and custom application \* location translaner translaners