"soop fault is caused due to client or server Failure" state T/F with justification.

somp provides a model for handling faults arise.

It distinguishes between the conditions that result in fault to the originator of the faulty message or another node.

The SOAP (Body) is the place where fault information is placed.

2) Give the use of SOAP actor attribute.

it must appear in a SOAP Header Element object.

It purpose is to indicate the recipient of a header element. The default actor is the message ultimate recipient; that is if no actor attribute is supplied, the message goes directly to the ultimate recipient.

An actor is an application that can both receive SOAP message of ferward them to the next actor. The ability to specify one or more actors as intermediate recipients make it possible to route a message to multiple recipients of to supply header information that applies specifically to each of the recipients.

3) What do you mean by wire protocol 4 transport protocol?

To a network a wire perotocol is the mechanism for transmitting data from point a to point b. The term is a bit confusing, because it sounds like layer of the network, which physically places the bits "onto the wire" In some cases it may refer to layer 1; However, it generally refers to higher layers. distributed

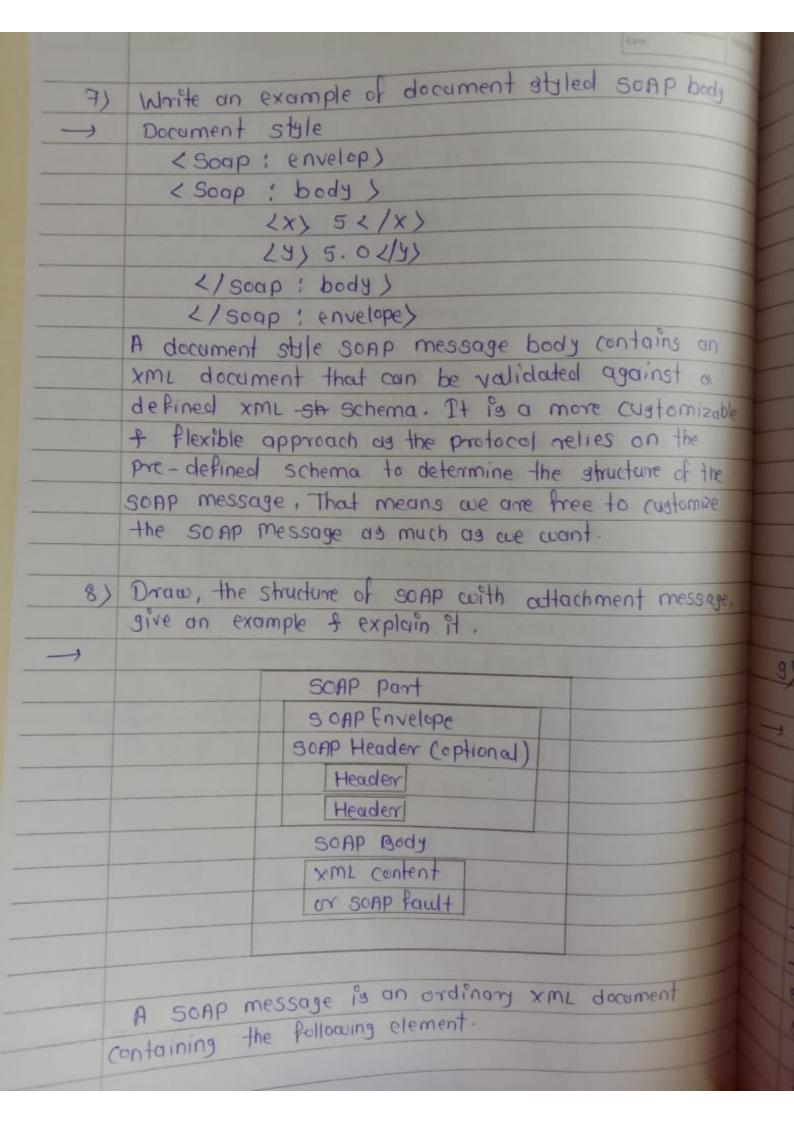
object protocols such as SOAP, CORBA or RMI

Transport protocol are key to the success of any network, including the world wide web of the Internet in general. A through under standing of transport of how they work is key to understanding web services. One of the most powerful design decision with soap was to make it transport independent, which means that you can send message over any transport you choose.

- 4) What is soap message path?
- A scap intermediary is both a scap receiver of a scap sender. It can, f in some cases must, process the header blocks in the scap message, f it forwards the scap message its ultimate receiver. The ultimate scap receiver is the final destination of scap message,
- 5) Give the use of SOAP must understand attribute,

 The SOAP must understand attribute can be used to indicate aheather a header entry is mandatory or optional fear the recipient to process, if you add must understand = "I" to child element of the Header element it indicates that the receiver processing the Header must recognize the element.

3) What is so AP? Give the structure of SOAP message explain it . SOAP is a message protocol but that enables the distributed elements of an application to communicate A scap message is encoded an XML document, consisting of an < Envelope) element, which contains on optional < Headers element, f a mandatory & Body > element 4) Write Pn detail on sopp with attachment. SOAP with attachment, also known as MIME for cueb services. A MIME based attachment mechanism for SOAP, Scapul supports Phain SWA as well as sweet attachment in accordance with the ws-I attachment profile SOAP UI also supports specifying file names, inline to insent binary contents from a file into a message body. support of inling inlining require internal processing 4 can be also disable in the project properties. 5) Give an example xML code snipet for error handling in somp fault element, also explain it



Explain in short Apache Axis environment.

Axis is essentially a soap engine -- a framework for constructing soap processors such as clients, servers, gateways etc. The current version of axis arritten in Java. but a c++ implementation of the client side of Axis is being developed.

How error are handled using SOAP faults give an example for adding fault in xMZ of soAP message?

SOAP errors are handled using a specialized evalope known as fault Envelope. If an error accurs while the server processes a SOAP message, it constructs a SOAP fault of sends it back to the client. Here's a typical soAP A soAP fault is special element that must appear as an immediate child of the soAP body element. The < faultcode> f < faults of the soAP body element are required the < faultactor>
f < default> element are optional. The body of fault elements are mamespace qualified to the envelopers namespace for example. < SOAP - ENV. body> f

e) What are the advantages of disadvantages of SOAP?

Advantages

Disadvantages

1) A soap defines it own

security known as we that must be parsed to security.

be read.

2) SOAP web services can be written in any programing tanguage of executed in any platform

2) It defines many standard that must be followed while developing the SOAP applications.