PAGE No. write an example of document Styled SOAP body The SOAP Body element is the element in a soap message that contains the main part to be processed by either client of web service, while a Header element is optional a Body element is mandatory. You Must have a body element in a soap message.

Here is a example of SOAP Body element

< 9 xM1 Version = "1.0" 9>

<enu: Envelope xmins: env="http://www.W3.00g/</pre> 2001/12/Soap - envelope">

<env: Header >

R

->

</env: Header>

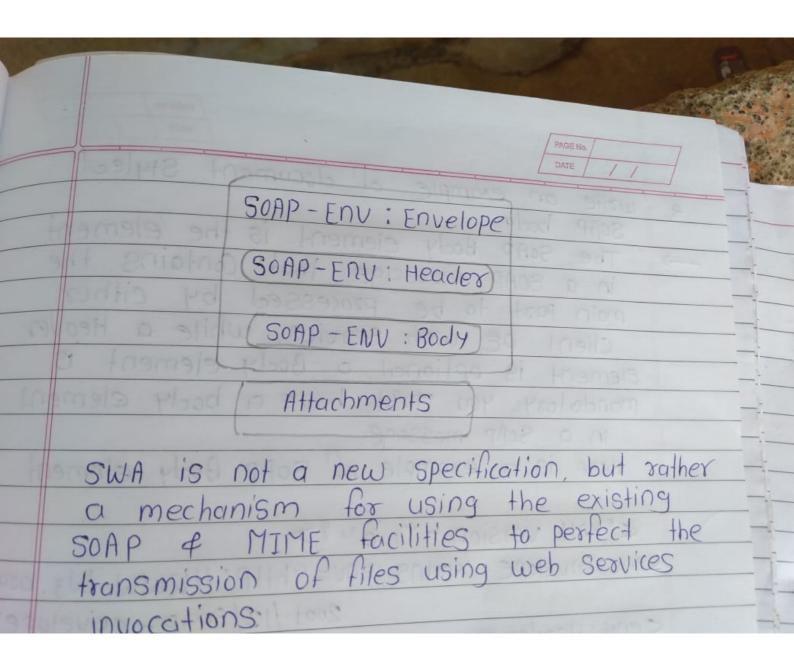
<env: Body>

</ env: Body>

</ env: Envelope>

A SOAP intermediary is both a SOAP receiver & a SOAP Sender The ultimate SOAP receiver is final destination of a SOAP message Give the use of SOAP must understand Attribute The must understand attribute means that any node processing the SDAP message must understand the given header block. A "node" may not always be the final receiver of the SOAP message.
The message might be routed via intermedi -ate nodes before ending up at the receiving node. In case an intermediate node does not understand the header block must understand -attribute, it must return a SOAP fault. of Explain in Short Apache Axis environment. Apache Axis is a SOAP toolkit that makes it easy to create, deploy, & consume web Services. By using Axis, we will be able to quickly convert existing Java functionality into web services. To Study & explore the features of Java-based SOAP implementation we choose to use Apache Axis, a java based toolkit from Apache Software foundation for developing SOAP based web services

36/835	PACE NO.
	iii] Body = Contains the XML data Comprising the message being sent. It is a mandatory element.
380 Y	provides information about errors that occurs while processing the message.
1	SOAP menuelope
	Header block
11	SOAP body
	body block
	Structure of SOAP message
- 103	וו לימוף הופבבסתים ולי כוס פולותמיץ ארוב לפנעת
<u>-</u> >	Soap with attachments (SWA) OF MIME for web Services is the use of
	web services to send & receive files with a Combination of SOAP & MIME
941 14	primorily over HTTF.
13	at to 35 mon Problemson on to route
Same.	of Lemoistic up 21 FT. Hing-land Stampille



How errors are handled using SOAP faults, give an example for handli adding fault in XML of SOAP messages Q Soft errors are handled using a Specialized envelope known as a fault envelope If an error occurs while the server processes a SOAP message it Construct a SOAP fault 4 sends it back to the client.

a What are advantage of disadvantage of SOAP?

* Advantage of SOAP

· Simplicity

· Portability

· Firewall Friendliness · Use of open standard

· Interoprability

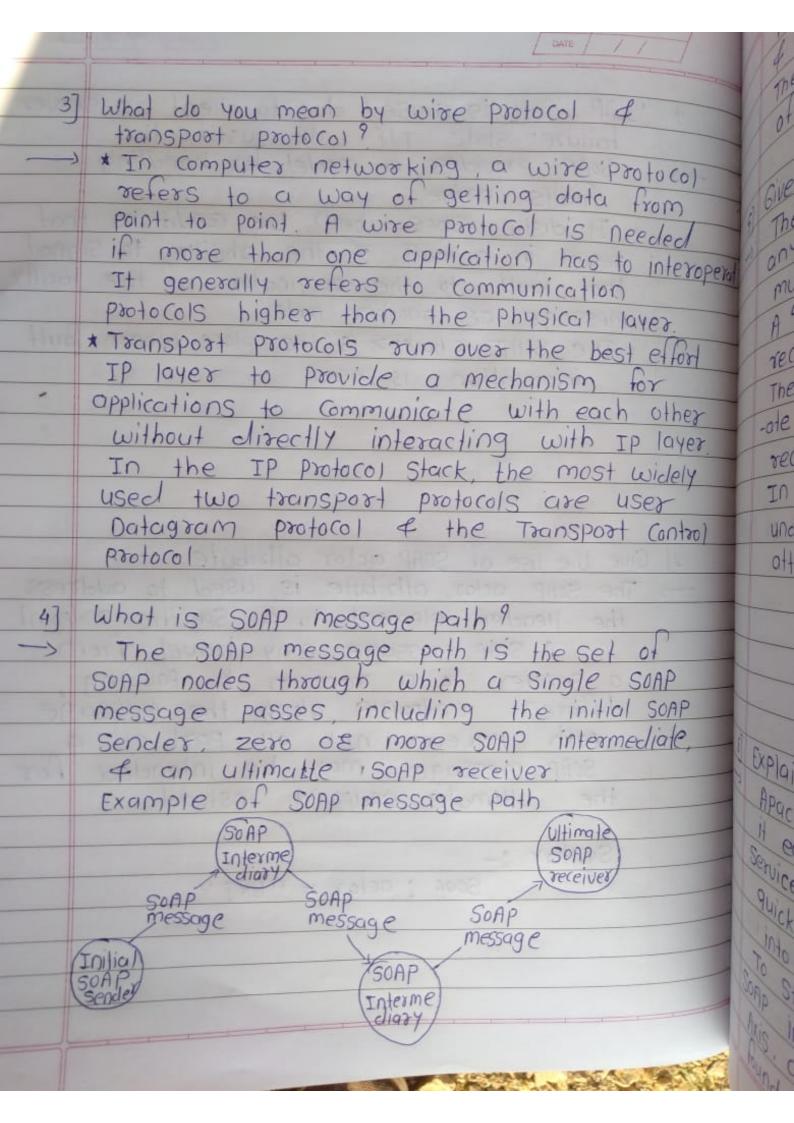
· universal acceptance

* Disadvantage of SOAP are

· To much reliance on HTTP

· Statelessness

· Segialization by value of not by reference



"SOAP fault is caused due to client or server failure" State TIF with justification. · SOAP Provides a model for handling faults arise

. It distinguishes bett the conditions that result in a fault, of the ability to signal that fault to the originator of the faulty message of another node.

· The SOAP < BOOLY > is the place where fault

information is placed.

2) Give the use of SOAP actor attribute. -> The SOAP actor attribute is used to address the Header element to a Specific endpoint A SOAP message may travel from a sender to a receiver by passing different endpoints along the message path However not all part of a SOAP message may be intended for the ultimate endpoint instead.

> Syntax :-Soap : actor = "URI"

write the anatomy of soap message & describe B What is SOAP 9 Give the Structure of SOAP message, explain it. " SOAP is the Standard messaging protocol used by web services. 11) SOAP'S paimoray application is inter application communication.

""> SOAP codifies the use of XML as an encoding scheme for request & response parameters using HTTP as a means transport Service Provider Service reguestor Application object Application object (Service provider) (client) SOAP based SOAP based middleware middleware SOAP Messages exchanged on top of HTTP, SMTP 08 other Transpor protocol A SOAP message is an ordinary XML document Containing the following elements 1] Envelope = Defines the start & the end of the message. It is a mandatory element. 11] Header = Contains any optional attributes of the message used in processing the message either at an intermediary, point of at the ultimate end-point. It is an optional element