

Q.1) 2 Marks each questions:

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

· SOAP provides a model for handling

· Fault arise.

. It distingiushes between the conditions that result in a Fault and ability to signal that fault to the originator of the faulty message or another node. The SOAP < Body is the place where Facult information is placed.

· A soap message can carry only one faults

block.

. Facult is an optional part of soap.

· For HTTP binding a successful responce is linked to the 200 to 299 range of status code.

· SOAP Fault is linked to the 500 to 599 vange of status code

2) Give the use of soap actor attribute.

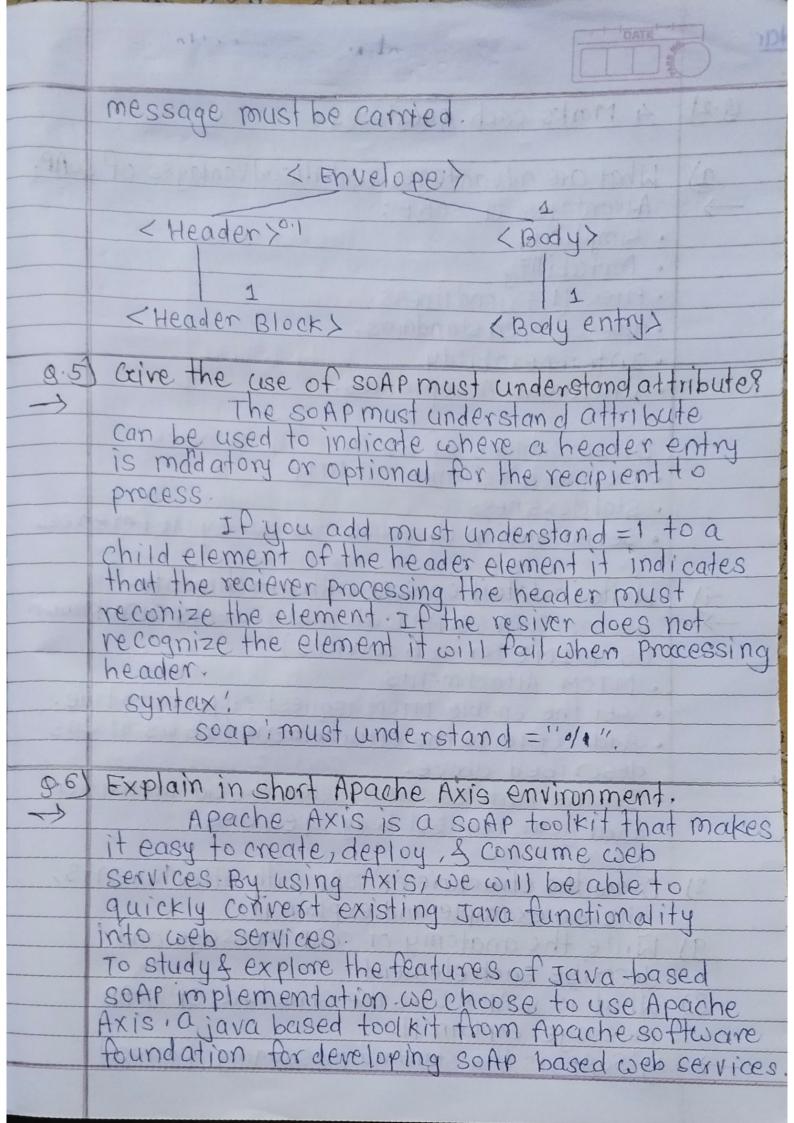
it is used, it must appear in a soap Header Element object. Its purpose is to indicate the recipient of a header element. The default actors is the message's ultimate recipient that is, if no actor attribute is supplied the message goes directly to the ultimate recipient.

An actor is an application that can both receive soap message and forward them to the next actors the ability to specify one or more actors as intermediatate recipients makes it possible to route a message to multiple.

THE RESIDENCE PROPERTY OF THE STATE OF THE S recipients and to supply header information that applies specifically to each of the recipients. What do you mean by wire protocol and transport 0.3) protocols protocol refers to a way of getting data from point to point. A wire protocol is needed if more than one application has to interoperate. It generally refers to communication profocols higher than the physical layer.
2) Transport protocols run over the best effort IP layer to provide a mechanism for applications to communicate with each other In the IP Protocol stack the most widely used two transport protocols are user Datagram protocol & the transport control protocol. > SOAP is based on message exchanges · message are seen as envolep where the application enclosed the data to be sent. · A soap message consist of an (Envelope) element contains an optional < Headers and (Body) element The content of these are application defined and not a part of soap specification.

A soap < Header > Contains block of information how to message is to be processed · The soap < Body > is where the main and -

to-end information conveyed in a soAp



9-21 4 Marks each questions: 1) What are advantages and disadvantages of soAP. Advantages OF SOAP: · simplicity. · Portability · Firewall Friendliness. · use of open standards. · Interoperability · universal acceptances. Disadvantages of SOAP: · Too much reliance on HTTP. · statelessness. · serialization by value and not by references. Write in detail on soap with attachments. SWA CSOAP with Attachements also known as MIME For web services) · MTOM Attachments · set the enable MTOM request property to true.

· Add a file to the attachement tab as it was described above. · In the part coloumn, select the cid identifier that your request body specifies. 8) Draw the structure of soap with attachments, give an example and explain it. 9) Write the anatomy of soAP message and describe each element B) What is soap & Give the structure of soap message, explain it. > 11"SOAP is the standard messaging protocol

used by web services.

ii) so Ap's Primary application in inter application

communication.

iii) soap codifies the use of XML as an encoding scheme for request & response parameters using HTTP as a means for transport.

	CONTRACTOR OF THE PARTY OF
service requestor service provide	ter
Application object Application obj	ect
(client) (service provid	es
L'activité l'avie	
SOAP based SOAP based	T
middleware soap messages middleware	
HTTP, SMTP. Of other	
Transport Protocol	

A soAP message is an ordinary XML document containing the following elements.

1) Envelope = Defines the start of the end of the message. It is a mandatory element.

ii) Header = contains any optional attributes of the message used in processing the message, either at an intermediary point or at time ultimate end-point. It is an optional element.

iii) Body = contains the XML data comprising the message being sent-It is a mandatory element.

iv] Fault = An optional Fault element that provides information about error that occurs while

processing the message. SO AP Envelope Headerblock SOAP body body block. "structure of soap message 9.7) Write an example of document styled so AP body. The soAp Body element is the element in a soAp message that contains the main part to be processed by either client or web service. while element is mandatory you must have a body element in a SOAP message. Here is a example of soap Body element. Lixmi version = "1.0" >> Lenv: Envelope xmins: env="http://www.w3.09) 2001/12/soap-envelope"> <em: Header> Llenv: Header> Lenu: Body> < lenv : Body > / env: Envelope>