Assignment no-5

1] "SOAP" fault is coused due to client or server Failure" state T/F with justification.

→ soap faults are generated by recievers to reports business logic errors or unexpected conditions.

• True

Q2 Give the use of soap actor attribute.

→ The soap actor globle attribute can be used to indicated the recipient of a header element. The value of soap actor attribute is a URL. The special URL.

"http:// schemas: xml soap:org/actor/n. indicated that the recipient of a hearder element. The value that the hearder element is indended for the every first soAP application that processes the message.

Q3 What do you mean by wire protocol and transport protocal?

→ It generally refers to communication protocols higher than the physical layer. In contrast to transport protocals at the transport art layer (TCP or UDP like) the there write protocal is used to describe a common ways to exchange information at the application level
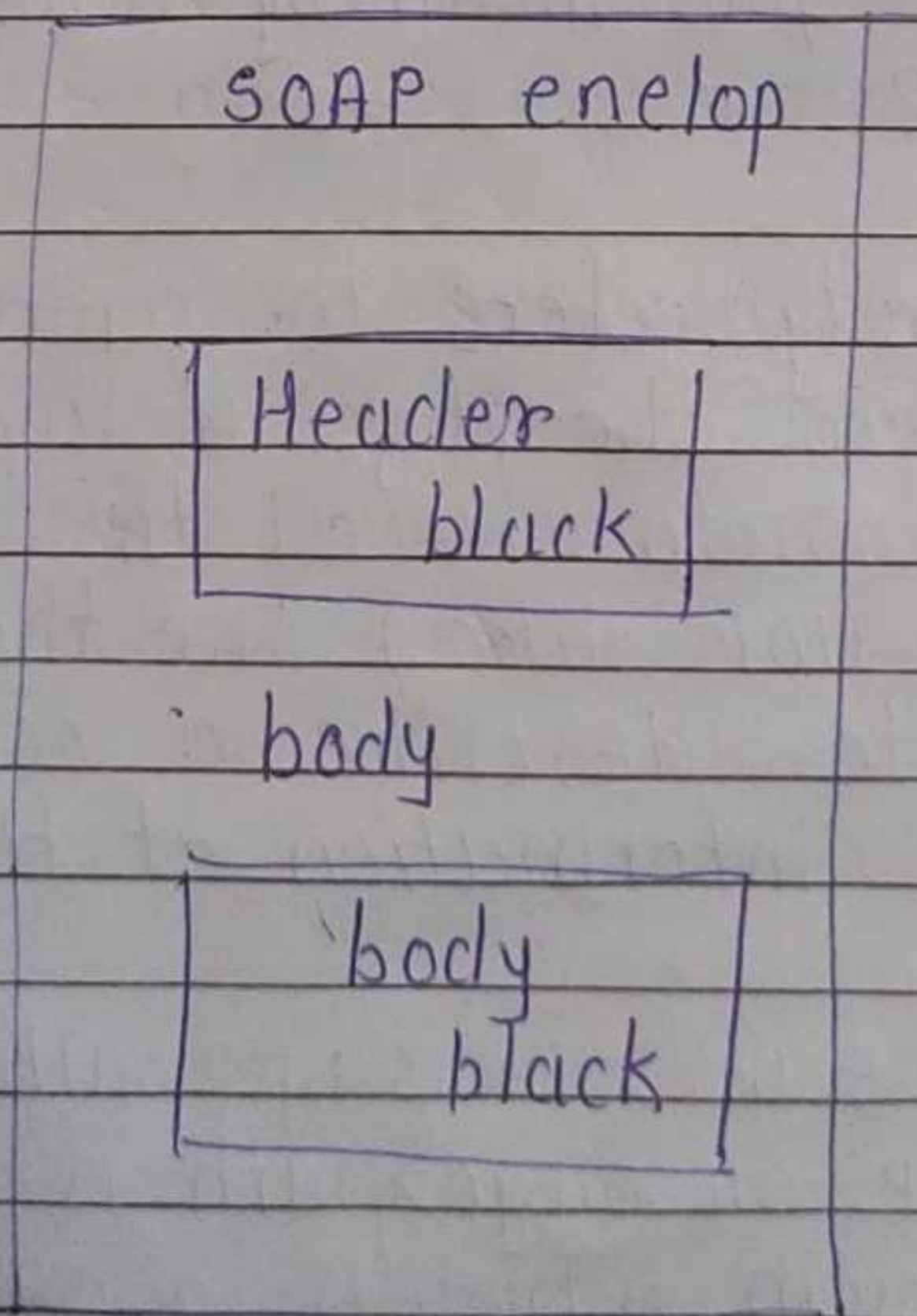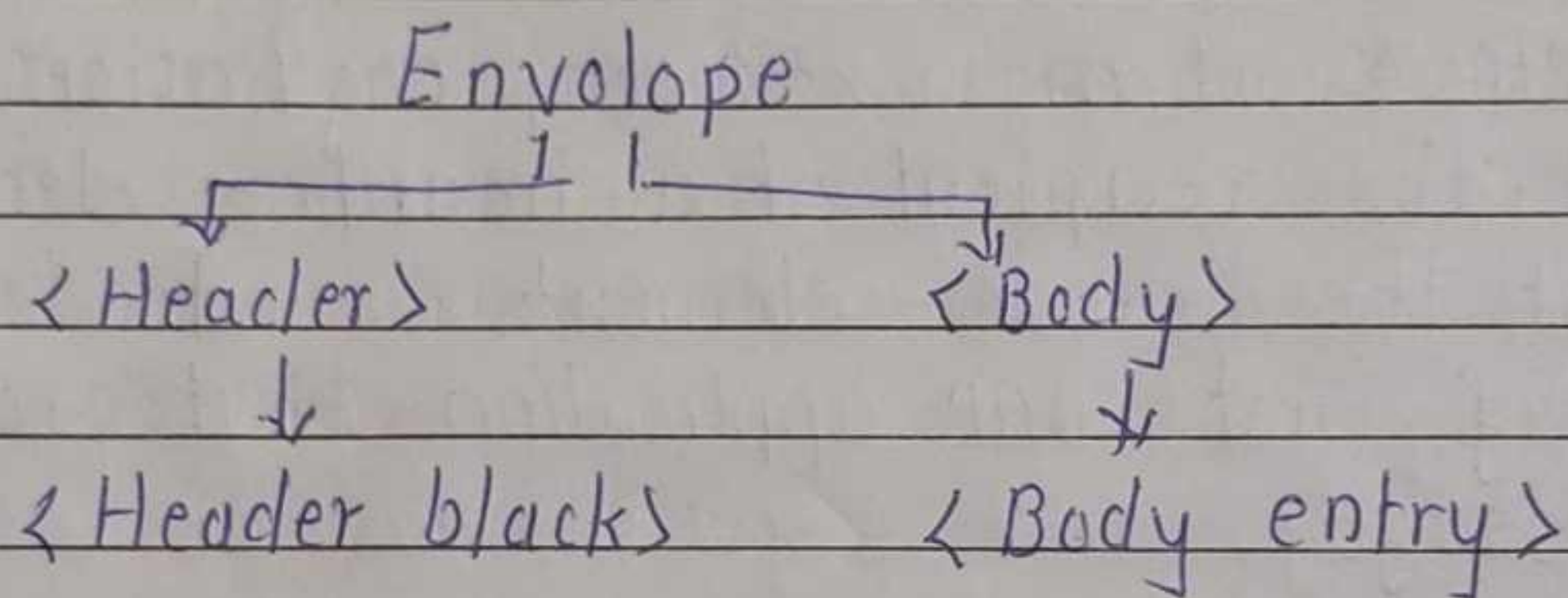
) What is soAP message path?

→ The soAP message path is the set of soAP node through which is a single soAP message.

message passes including the initial soap sender
zero or more soap intermediation and an ultimate
soap.

8 7 What is soap ? Give the structure of soap message
explain it?

→ A SOAP message is encoded as an XML doesn't
consisting of an <Envelope> element, which contain
an optional < Header> element and mandatory
< Body> element. The < fault> element contained
in < Body > is web for reporting errors.

<div align="center">

Envelope

< Header >   < Body >

< Header blocks >   < Body entry >

</div>

SOAP enelop
Header block
body
body black

8 Write in detail on SOAP with attachments ?
→ SWA (SOAP with Attachment also known as MIME for web services)
- MTOM Attachments
- Sets the table MTOM request property to throw.
- Add a file to the attachment tab as it described above.
- In the part columm select the die identified that your request body specifies.

Q9 Explain is short Apache Axis enviroment.
→ i) Apache Axis is SOAP toolkit that makes it easy to create, delay and consume web services by using Axis, we will be able to quickely convert exsting Java functionality into web services.
ii) To study and explare the feature of Java based SOAP implementation we choose to use Apache Axis, a Java based tookit from Apache software fundation for developing SOAP based web service

Here is example
```
< xml version = "1.0"?>
< env : Envelope xmlns : env = " http: // www.w3.org
12001 | soap envelope ">
< env: Header >
</ env: Header>
< env : Body >
< /env : Body>
< /env: Envelope>
```

```
envelope">
<env:Header>
<tx:Transaction-id
     xmlns:t="http://www.transaction.com/
     transaction"
   env:mustunderstand="1">
   512.
<env:Header>
<env:Body
<po:purchaseOrder OrderDate="2004-12-01"
  xmlns:m="http://www.plastics-supply-
     com/pos">
   <po:account Number> PSC-0.343-02
   </PO:accounNumber>
     </po:from>
     <po:to>
<po:supplierAddress>
</PO:to>
  <PO:product>
  <PO:product-name> injection molder
</PO:product-name>
<PO-product-model> G-100T <PO:product-model>
  <po:quantity> 2 <po:quantity>
</PO:product>
</PO:purchoseOrder>
</env:Envelope>
```
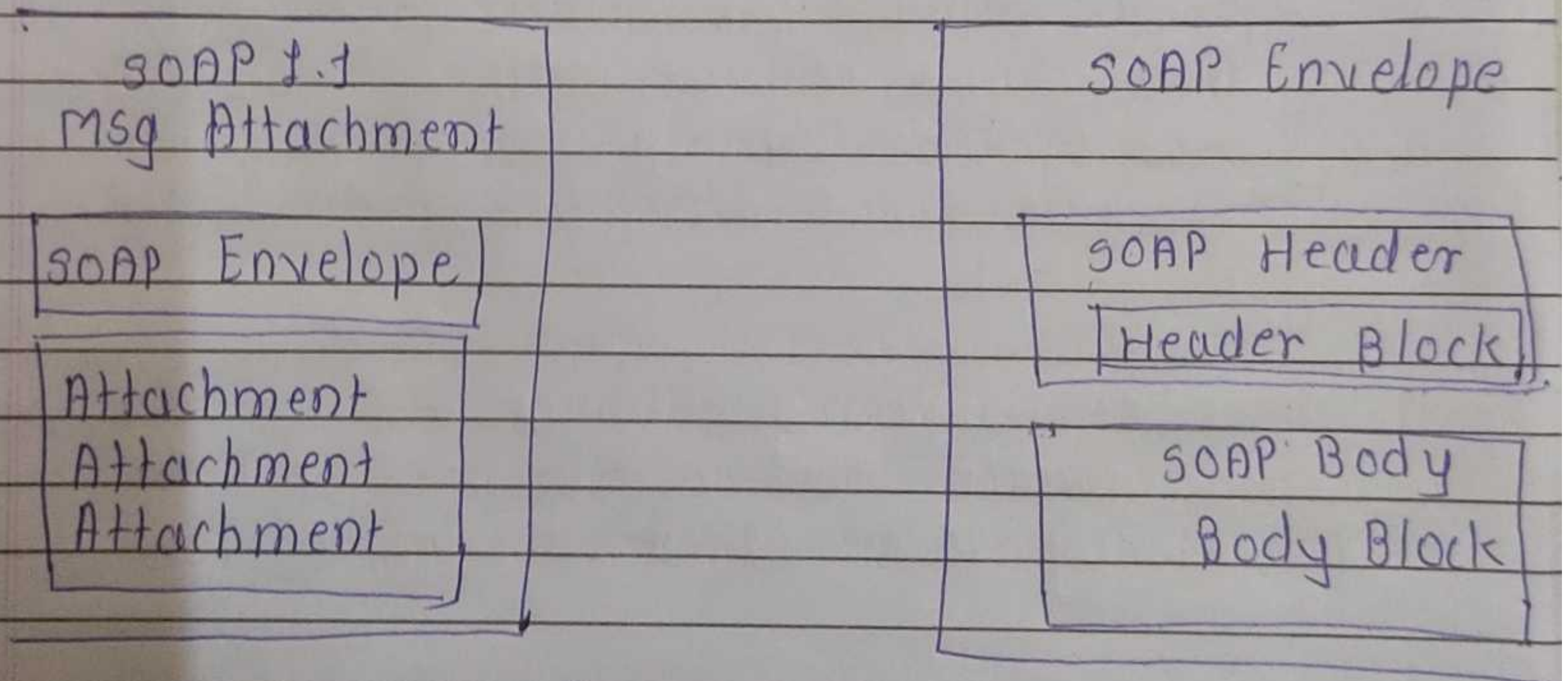
What is SOAP ? Give the structure of SOAP message
explain it.

→ * SOAP :-
i] SOAP stand for simple object Access Protocol.
ii] SOAP is lightweight xml based protocol.
iii] SOAP is used for the exchange of information
    decentralized distributed application environm-
    ents.
iv] SOAP is buil upon the xml specification
    and works with the HTTP protocol.

Structure of SOAP message.

SOAP 1.1 Msg Attachment		SOAP Envelope
SOAP Envelope		SOAP Header
		Header Block
Attachment Attachment Attachment		SOAP Body Body Block

The structure format of a SOAP message
containt following messages.