Q2.c)

→ A web Service can be defined by following ways

- It is a client - Server application component for communication

- The method of communication between two devices over the Network

- It is Software System for the interoperable machine to made communication

- It is a collection of Standards or Protocols for exchanging information between two devices or application

As you can See in the figure Java and PHP application can communicate with other application through web service over the Network for example the Java application can interact with Java Net and PHP applications. §

Types of web services

There are mainly two types of web services

1. Soap web services

2. Restful web services

* Soap web Services

Soap Is known as transport - independent messaging soap Soap is based on transfering XML data

as soap message Each something which is known as an XML document only the structure of the XML document follows a specific pattern but Not the content the best part of web Services and soap is that its all sent via HTTP which is the standard web protocal

Rest web services have really come a long way since its inception in 2002 the web consertium had released the defintion of WSDL and soap web services the formed the standard of how web Services are implemented

Q2. AS

→ $ A search egine spider also known as a web crawler is an internet bot that crawls websites and stores information for the Search engine to index

Think of it this away when you serach something on Google those pages and pages of resuts can't just materialize out of thin air in fact they all come from google's index which you can visualize enormous ever expanding library of information. text images document and the like

Spiders such as Google visit web pages in search of New data to add to the index this is critical because google business model (attract consumers and sell ad space) is reliant on providing

high- quality relevant and up to- date Search results

The Spiders are preetty Smart too. they recognize hyperlink which they can either follow right away or take a note of for later crawling Either way internal links between pages on the Same Site function Similarly to Stepping Stones . in that they pave the way for Spiders to crawl and store New Information