Assignment - 2

| Assignment - 2 | |
|--|--|
| 1) Differentiate between OSI'r | model and Taplip model. |
| Detween | n OSI and Toplip model |
| 70110030 | The second of the second test to |
| OSI model | TCPIIP model |
| 1) It consists of 7 layers. | i) It consists of 5 layers. |
| 1) Transport layer guarantee | ii) Transport layer may not |
| delivery of packages: | guarantee the delivery of |
| the state of the s | Parkage, |
| iii) ost layer has seperate | ii) No session and presentation |
| session layers & presentation | layer, characteristics are |
| layers. | provided by application and |
| | transport layer. |
| iv) Network layer provides both | iv) Network layer provides only |
| . Connection 1285 and connection | |
| oriented services. | and made in the state to be |
| v) Protocals are better | W) Not easy to replace the |
| hidden and can be easily | protocals |
| replaced on technology | The state of the s |
| changes. | The state of the s |
| | |
| 2) Differentiak between | peer to peer and client I server |
| model. | The Land State of the State of |
| 4 The differences between | n peer to peer and client/seri |
| model are as follow. | S. The state of th |
| 77700-7 | : client I cerves modes |

i) All nodes are equal i) Here, crients requests ke responsible.

ii) Communication is direct.

between peer nodes.

peer to peer modes

client | Server provides services.

iii) Communication is direct.

iii) communication is direct.

and request | response type.

| iii) It is highly scalable. | iii) It is difficult to scale. |
|------------------------------|--|
| iv) Highly roboust. | iv) moderatery roboust. |
| 1 I I V and | v) security is high and |
| vi) Manage. | |
| | Vio Management is easy. |
| 1) 6651 17. | vii) performance is consistent |
| ix) Examples, But torrent, | and reliable. |
| ix) Examples, But torrent, | viii) costs higher |
| Blockchain, etc. | ix) exampres, web servers, |
| | email servers. |
| | |
| A ALTER SALE TO SALE OF SALE | The second of th |
| 3) What are the diffe | rent layers of ost model |
| and what are their. | functions. Describe. |
| 9 There are 7 allffe | event layers in ost model, |
| They are | plicate to all the total to the total |
| 1. Application Layer | (property to the factor of the second of the |
| 2. Presentation layer | - Landerson |
| 3. session layer | |
| | Della della Mada millio |
| 5. Network layer | in the consequence and |
| 7 Physical Layer | |
| 7. Physical layer | ander the destruction of |
| 1. Application layer | Charles con the o |
| | netween host communication |

Software and any external application.

is provides standards for supporting a variety of

handling system standard used for e-mail, virtual terminal standard, file transfer access between different system.

2. Presentation layer -

- information transmitted.
- of the application data between user processes.

3. Session layer

- 4 Allows users on different machines to establish session between them
- G Includes setting of various communication

4. Transport layer

- into similar units, posses them to lower layer isolating from each other.
- between two hosts.

J. Network layer

- enable multiple data links to be combined into an inter network
- congestion control, packet handling, etc.

6. Data link layer is concerned with reliable transfer of data over the Communication channel provided by the physical layer.

4 It breaks the data into data frames, transmit the frames sequentially, over the channel, checks for transmission error by receiving acknowledgemen

7. Physical layer is concerned with the transmission of raw data bits over communication link.

4 Ft. is implemented in the hardware of the networking device.

4) What are the principles behind osI model? 4 The principles behind OSI model are as follows:

i) To divide the complex model of communication thto seven smaller and monagable layers.

ii) To make the working of each layer independently.

of the said of the

It enables data encaplusation.