DEPARTMENT OF INFORMATION TECHNOLOGY(IF)

Vision:

- To Visualize the creation of skilled, proficient IT Professionals to meet current challenges.

Mission:

- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values. · To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Computer Networks (22417) Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- Fundamentals of Computer Network.

Assignment No:-01

Q.1 Define Computer Network. State its advantages and disadvantages.

Q.2 Explain the Applications of Computer Networks.

Q.3 Describe Classification of Computer Networks based on Geographical Area.

Q.4 Differentiate between LAN, MAN and WAN.

Q.5 Differentiate between client-server and peer-to-peer network

Assigned by: Miss. Neha Salunkhe

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Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Computer Networks (22417) Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- Network Components and Topologies.

Assignment No:-02

Q.1 What is the Network Topology. Explain the different types of Topologies.

Q.2 Explain Repeater. State their advantages.

Q.3 Draw the following topology with five host.

   (i) Ring (ii) Star

Q.4 Difference between Twisted Pair Cable, Coaxial Cable and Fiber Optic Cable.

Q.5 Compare Ring, Bus and Star topology.

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Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Computer Networks (22417) Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- Reference Models for Computer Networks.

Assignment No:-03

Q.1 Draw OSI reference model and write functions of each layer.

Q.2 Differentiate between TCP/IP and OSI models.

Q.3 Draw Layered Architecture of TCP/IP.

Q.4 Enlist and Explain Functions of Application Layer in OSI model.

Q.5 Explain Printer Sharing.

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Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Computer Networks (22417) Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- TCP/IP Protocol Suite.

<u>Assignment No:-04</u>

Q.1 Differentiate between: TCP and UDP.

Q.2 Explain RARP with neat diagram.

Q.3.Compare SLIP and PPP.

Q.4 What is DNS Server? Describe Concept of DNS.

Q.5 Explain Concept of FTP with neat labeled diagram.

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Name Of Program :- Diploma in Information Technology
Date :-
Course Title :- Computer Networks (22417) Sem-IV (2023 -24)
Course Outcome :- CO
Chapter Name :- IP Addressing

Assignment No:-05

Q.1 List and Explain Classes of IP Address

Q.2 Difference between IPv4 and IPv6.

Q.3 Explain Subnet Masks.

Q.4 Explain IPv6 with its features.

Q.5 Explain Subnetting.

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