

Program: Diploma in Information Technology
Computer Engineering

Full Marks: 80

Year/Part: III/II

Pass Marks: 32

Subject: **Internet and Intranet (Elective II)**

Time: 3 hrs.

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Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicates full marks.

Attempt All Questions.

1. Describe the major historical events in the development of internet in brief. [8]
2. What are the differences between packet switching and circuit switching? Provide an example of each. [8]
Or,
Write down the different layers of OSI model with protocol working in each layer.
3. Explain TCP segment structure with neat diagram. [8]
4. What are services provided by Transport layer, state with protocols involved in this layer. [8]
5. Explain IPV4 Datagram structure with figure. [8]
6. What is routing? What are the types of routing? Write short notes on OSPF. [8]
7. What do you mean by internet, intranet and Extranet? Write advantages of Intranet. [6+2]
8. What are the different methods used for network security? Briefly write about cryptography types. [3+5]
9. Write short notes on (Any two): [4x2]
a) NAT
b) Denial of Service (DOS)
c) Streaming Stored Audio and Video
10. What is e-commerce? What are the different types of e-commerce? Write advantage of e-commerce. [2+3+3]

Good Luck!

For Educational Materials

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