

QUESTION BANK

I & WT (6TH SEM. CS & E)(Diploma)

(Based on previous semester exam. papers & other possible questions)

CHAPTER-1 (internet fundamentals)

REMEMBERING (KNOWLEDGE)

1. What is an ISP ? What factors effect choosing an ISP ?
2. Define Internet ?
3. Define Internetworking ?
4. What do you mean by Internet Architecture ?
5. Who is ISP ?
6. What is protocol ?
7. Write the different Internet connectivity available?
8. Who is the Internet addressing authority?
9. Write notes on Properties of Internet?
10. What do you mean by IAB ?
11. What do you mean by Network ?
12. Name at least three internet service providers in india ?
13. What is VSAT ?
14. What do you mean by internet address ?
15. Define protocol ?
16. What is internet protocol standardization ?
17. What is the role of IAB?

UNDERSTANDING (COMPREHENSION)

1. Write role of ISP and factor for choosing an ISP?
2. Explain Dotted decimal notation?
3. Discuss the several types of connectivity in computer network?
4. Explain the factors for choosing an ISP?
5. Explain original class full addressing scheme?
6. Discuss different types of connectivity of internet?
7. Explain the role of internet addressing authority?
8. Describe interconnection through IP routers ?
9. Write & explain properties of internet?
10. Explain about internet address ?

REMEMBERING (KNOWLEDGE)

CHAPTER-2 (TCP/IP)

1. Why checksum is calculated?
2. What is time out and retransmission?
3. What is simple positive acknowledgement method of data communication?
4. Define Port connections and end points?
5. State the advantages of sliding window?
6. What is TCP segment format?
7. What is the maximum and minimum size of TCP header?
8. State properties of reliable delivery service?
9. When a communication system is reliable?
10. What is original class full addressing scheme?
11. What is port & end point?
12. Define checksum?

13. Define reliable stream transport service?
14. Write the properties of reliable delivery service?
15. Write short notes on TCP segment format?
16. What is the end point of a connection?
17. State the properties of Reliable delivery service?
18. What is RTT?
19. Write the expression for RTT?
20. Define TCP/IP. Write down all its layers in details?
21. what do you mean by providing reliability?
22. What is the purpose of acknowledgement in TCP/IP?
23. What is TCP/IP ?
24. what is a segment?
25. what is the purpose of sequence no in TCP segment format?
26. What is a Protocol number?

UNDERSTANDING (COMPREHENSION)

- 1 . Explain with diagram the time out and retransmission?
2. Explain how the idea behind the slide window concept improves the system?
3. Explain by diagram about the sliding window mechanism?
4. Explain TCP/IP internet layering model by suitable diagram?
5. Explain the working of slide window system of data communication. State the advantages?
6. Explain different fields of an TCP segment format?
7. Identify the two techniques to reduce congestion?
8. When a communication system is reliable ?
9. Explain the TCP/IP internet layering model?

10. Explain the TCP segment format with a diagram?
11. Write notes on TCP segment format?
12. Explain the properties of reliable delivery service?
- 13 Describe how TCP connection is established?
14. Write about how TCP response to congestion?
15. What is a reliable delivery service. Explain need for stream delivery in TCP?

CHAPTER-3(INTERNET PROTOCOL)

REMEMBERING(KNOWLEDGE)

1. What is IP header?
2. Define internet protocol ?
3. Name the functions of default router?
4. What is the function of a router?
5. Define routing in an internet?
6. What is the function of a default router?
7. Define Internet datagram?
8. Write the fields of Datagram format?
9. Define router & routing?
10. How many bits are there in an IP address?
11. Define datagram?
12. What is the function of transparent router?
13. What is routing in internet?
- 14 State connectionless datagram delivery system?
15. What is the purpose of internet protocol?
16. What is a protocol number?
17. What is table driven IP routing?

18. What do you mean by default roots?
19. What are host specific roots?
20. What is a Source address?
21. What do you mean by unreliable delivery?
22. What is the purpose of checksum in IP?

UNDERSTANDING (COMPREHENSION)

1. Explain direct & indirect delivery along with routing?
2. Explain connectionless datagram delivery system?
3. Describe different type of delivery?
4. Discuss the purposes of internet protocol?
5. Explain the concept of unreliable delivery?
6. Summarize the concept of IP header?
7. Explain Table driver IP routing?
8. Discuss routing with IP address?
9. Describe internet protocol in detail?

ANALYZE (ANALYSIS)

1. Distinguish between direct and indirect delivery?
2. Differentiate between reliable & unreliable delivery?
3. Relate how source & destination address are used for delivery system?
4. Compare connection oriented & connectionless services?
5. Explain & compare different types of delivery?

Continued.....I & WT Question Bank

CHAPTER-4 & 5(SUBNET ADDRESS EXTENSION & UDP)

REMEMBERING(KNOWLEDGE)

1. Define subnet address extension?
2. What is subnet addressing ?
3. Define UDP?
4. What do you mean by minimizing network numbers?
5. What is transparent router?
6. Define subnet?
7. Describe flexibility in subnet address assignment?
8. What is a subnet with mask?
9. Define subnet mask representation?
10. What is function of UDP?
11. What is the UDP header?
12. What is the difference between UDP & TCP/IP?
13. What is routing in internet?
14. Define UDP checksum?
15. Describe two applications of UDP ?
16. When to use UDP?
17. What is advantage of subnet?
18. What is the acronym for UDP ?
19. What is process to process delivery?
20. What function does UDP perform?
21. What is UDP datagram?
22. What is a UDP packet?

UNDERSTANDING (COMPREHENSION)

1. Describe UDP message format with suitable diagram?
2. Explain the techniques for minimizing the network number?
3. Explain UDP and its applications?
4. How to know UDP is message oriented protocol? If an application needs to protect the Boundaries of its message then which protocol should be used?
5. Explain the field of UDP message format?
6. Explain routing in presence of subnet?
7. Describe the flexibility in subnet address assignment?
8. Discuss subnet addressing features?
9. Describe the implementation of subnet with mask?

ANALYZE (ANALYSIS)

1. How no of network numbers are minimized?
2. Outline the subnet mask representation?
3. Relate how UDP & TCP/IP are working on internet?
4. Explain how the routing mechanism works?
5. Outline the format of UDP message?

CHAPTER-6(DNS)

REMEMBERING(KNOWLEDGE)

1. What is original classfull addressing scheme?
2. What is DNS ?
3. Name various types of domain names?
4. What do you mean by domain name system?
5. When you can use directly IP address?
6. What is a Domain name?
7. What do you mean by official domain names?
8. What is efficient translation ?
9. What is mapping?
10. Write any three examples of abbreviations used in DNS?
11. What is subnet?
12. What do you mean by internet domain names?
13. What is?
14. What is forwarding in DNS?
15. What is the use of DNS ?
16. What is a a DNS client?
17. What is a DNS database?
18. What is a resource record ?
19. What is Nameserver?
20. What is DNS spoofing?
21. What is primary & secondary name server?
22. What is URL?
23. What is DNS server?

24. What is DNS Zone?
25. What is DNS lookup process works.
26. What is forwarder in DNS?

UNDERSTANDING (COMPREHENSION)

1. Explain the mapping of domain name to address?
2. Why do you need a DNS system?
3. Explain UDP and its applications? When you can directly use an IP address?
4. Describe mapping of domain name?
5. Discuss the concepts behind efficient translation?
6. Explain routing in presence of subnet?
7. Summarize the work of nameserver in contrast with DNS?
8. Discuss subnet the functions of authoritative DNS server?
9. Describe various types of DNS queries?

ANALYZE (ANALYSIS)

1. Identify the difference between authoritative & recursive DNS?
2. Compare various types of DNS queries?
3. Outline the difference between URL & domain ?
4. Explain various types of records in DNS?
5. Compare resource record with other types of records available in DNS?
6. Outline the importance of DNS mechanism?
7. Explain how does DNS work?

CHAPTER-7(Internet Applications & Services)

REMEMBERING(KNOWLEDGE)

1. Define SMTP?
2. Write the advantages of E-mail over conventional mail?
3. What is the function of a browser?
4. Define TELNET?
5. Define FTP?
6. What is POP3 and IMAP?
7. Define browser?
8. Define E-mail ?
9. What is IRC ?
10. What is IRC network?
11. Write two applications of Internet?
12. Write the function of FTP connection?
13. What do you mean by WWW?
14. What do you mean by E-commerce environment?
15. Write about the market place technologies ?
16. Write the advantages of Internet.?
17. What are the disadvantages of internet?
18. Write the function of TELNET ?
19. What is Email networks?
20. What is a mail protocol?
21. What is routing?
22. What is the acronym for URL?
23. What is a server?
24. What is a client?

25. Name any three browsers used to access internet.
26. What is a default browser?
27. What is public domain software?
28. What is a FTP server?
29. What is FTP client?
30. What is server domain?
31. What is a channel?
32. What is HTTP?
33. Write the acronym for HTTP?
34. What is a web ?
35. What is a network?
36. What is LAN?
37. What is MAN?
38. What is WAN?
39. What is the acronym for SMTP?
40. What is the acronym for POP?

UNDERSTANDING (COMPREHENSION)

1. Explain the function of FTP?
2. Describe the IRC network?
3. Explain the working of FTP process model?
4. Outline the format of an e-mail message?
5. Difference between the local and remote login in TELNET?
6. Discuss the telnet client and server model?
7. Explain the format of an e-mail message?
8. Summarize FTP client server model with suitable diagram?
9. Describe the working and advantages of E-mail.?

10. Discuss the function of channel?
11. Explain the functions of telnet protocol?
12. Describe the working principle of E-mail?
13. Discuss various internet application and services?

ANALYZE (ANALYSIS)

1. Why do you need POP3 and IMAP for electronic mail?
2. How E-commerce environment benefits to us?
3. Relate local and remote log-in in telnet ?
4. Investigate the advantages and disadvantages of internet?
5. Compare telnet and FTP?
6. Classify the types of FTP servers?
7. Outline the features of WWW and how it is related with internet ?
8. Relate the POP3 and IMAP protocol in E-mail networks?

CHAPTER-8(HTML & INTERACTIVE TOOLS)

REMEMBERING(KNOWLEDGE)

1. What is URL?
2. What is JAVA Script?
3. Define XML application?
4. What is CGI?
5. Define VB script?
6. Define XML?
7. Define browser?
8. Define HTML?
9. Write two features of HTML?

10. Define visual markup?
11. Define URL?
12. What is section heading?
13. Write two examples of header elements?
14. What is a List in HTML?
15. Define inline elements?
16. What is hyper linking?
17. What is the role of ACTIVEX?
18. Write the function of TELNET?
19. Write any two rules of XML applications ?
20. What do you mean by DTD?
21. What is a template?
22. What is the acronym for DTD?
23. What is a cell in Table?
24. What is an empty tag?
25. What is a container tag?
26. What is a tag?
27. Write two examples of tag?
28. What is a FTP server?
29. What is rendering?
30. Write two examples of HTML commands?
31. What is a hotspot?
32. What is cell spacing?
33. What do you mean by COLSPAN?
34. What is a WWW ?
35. What is hpermedia?
36. Write two examples of media?
37. Define the name of the tag used to create a table in HTML?
38. What is an attribute?
39. What is the acronym for HTML?

40. What is the acronym for XML?
41. What is an object?
42. What is the previous name of java script?
43. What is live script?
44. what is dynamic binding?
45. Name of the organization who has developed java script?

UNDERSTANDING (COMPREHENSION)

1. Explain the features of HTML?
2. Write a short notes on XML document?
3. Discuss basic structure of HTML web page?
4. Explain in detail, working of search engine?
5. Explain the parts of of an XML document?
6. Write a short notes on java script?
7. Explain the rules of XML documents?
8. Explain the features of a HTML table ?
9. Describe the applications of XML.?
10. Discuss the concepts of listing in HTML?
11. Explain the role of header elements of in HTML ?
12. Discuss about scripting language?
13. Summarize the parts of XML document?
14. Explain the role of CGI?
15. Compare java with java script ?

ANALYZE(ANALYSIS)

1. How an XML document is developed?
2. Differentiate between VB-script and JAVA-script ?
3. Relate between java and java script with examples ?
4. Explain and identify the aspects of a HTML table?
5. Outline the block oriented elements in HTML?
6. Compare between HTML & XML ?
7. Explain the concept of DTD in XML with an example?
8. Outline the HTML & its interactive tools used for creating web?
9. Explain how VB script is useful for document designing?