

2021/TDC/CBCS/ODD/ CSCDSE-502T/093

TDC (CBCS) Odd Semester Exam., 2021 held in March, 2022

COMPUTER SCIENCE

4. Mention one important feature

(5th Semester)

Course No.: CSCDSE-502T

6. Port no. 21 is commonly associated with with a special state of spring sprin

Full Marks: 50
Pass Marks: 20

Time: 3 hours

7. What is required to create a socket?

The figures in the margin indicate full marks

for the questions

SECTION—A

Answer any fifteen of the following as directed: $1 \times 15 = 15$

1. End-to-end connection is established _____
protocol of the TCP/IP suite.

(Fill in the blank)

2. Write an application of UDP.

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(Turn Over)



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- 3. What do you mean by a protocol? TOC [CBCS] Odd Semester Exam., 2021 held in March, 2022
- 4. Mention one important feature of connectionless protocol.
- 5. What is stream socket?

6. Port no. 21 is commonly associated with _____. (FTP/HTTP/SMTP) arouted

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(Fill in the blank with correct option)

- 7. What is required to create a socket? The figures in the margin indicate full marks
- for the avesbans 8. Why is signal handling used in socket programming? A-MONTARE
- Answer any Afteen of the following as directed: 9. What are sockets preferred for?
- End-to-end connection is established 10. How are sockets different from port?
- 11. What is socket address?

| Fill in the blank]

2. Write an application of UDF

(Continued)

- 12. is the default port number and is commonly used for proxy.
 - (Fill in the blank)

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- 13. What is the purpose of e-mails? Answer any five of the following questions 225-10
- 14. Which of the following is remote login 21. What are the main differences Snoitsoilggs
 - (a) FTP
 - HTTP (b)
 - SMTP (c)
 - Telnet (d)
- (Choose the correct answer)

22. Write Nown the Imperious o

- 15. What is the main responsibility of application secs Seins one layer?
- 16. Give an example of remote login.
- 17. What do you mean by network debugging? ind your hours with an IP address?
- 18. In networking, PAN stands for _____. arowant a do samida (Fill in the blank). The administrator.

(Turn Over)

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(4)

19. What is network management?

20. Mention two network management tools.

SECTION Bug od er rathe

Answer any five of the following questions: $2 \times 5 = 10$

21. What are the main differences between TCP and UDP?

22. Write down the functions of transport layer protocol.

23. How does a UDP socket work?

24. How does server socket differ from client sockets?

25. What are socket options?

26. What is IP address lookup? Can someone find your house with an IP address?

27. Write the responsibilities of a network administrator.

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(Continued)

(5)

28. What is WWW? What are its features?

16. How many sockets does a word word would you implement UDP chert/server.

29. How do TCP and IP differ? Snottesinummos

30. Write the importance of SNMP protocol in network management.

SECTION—C

38, Discuss the arr

Answer any five of the following questions: 5×5=25

31. Discuss the connection establishment phases of TCP.

32. Why does Netflix use TCP but not UDP for streaming video?

33. How do you implement client/server programming with sockets?

34. Discuss the different types of sockets used in network programming.

35. Discuss the select and poll function in I/O multiplexing.

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- 36. How many sockets does a UDP need? How would you implement UDP client/server communication?
- 37. What are the different services for remote login? Discuss.
- 38. Discuss the architecture of WWW.
- 39. Discuss the different components of network management.
- 40. Discuss the different network management protocols.

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