



K23U 0294

Reg. No. :

Name :

VI Semester B.C.A. Degree (C.B.C.S.S. – Supplementary)
Examination, April 2023
(2017 to 2018 Admissions)
Core Course (Elective)
6B20 BCA E05 : NETWORK PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One** word answer :

(8×0.5=4)

- What is the port number of HTTP ?
- What is the full form of TCP ?
- UDP stands for _____
- DNS means _____
- Another name of web client is _____
- IP stands for _____
- Full form of LAN is _____
- _____ function is used to establish a connection with the client and server.

SECTION – B

Write short notes on **any seven** of the following questions :

(7×2=14)

- Discuss TCP Echo server.
- What is the purpose of tcp_connect ?
- What are the functions of gethostbyname and getservbyname ?
- List the different features of TCP protocol.

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K23U 0294



6. Discuss the structure of socket address.
7. Illustrate TCP Echo client.
8. Define Buffer size.
9. Discuss Shutdown of Server Host.
10. Discuss Port numbers with an example.
11. Mention connect, bind functions.

SECTION – C

Answer **any four** of the following questions :

(4×3=12)

12. Explain about byte ordering functions.
13. Discuss signal sets.
14. Elaborate TIME_WAIT state.
15. Mention str_echo() and str_cli().
16. Compare getsockopt and setsockopt functions.
17. Compare tcp_connect and tcp_listen functions.

SECTION – D

Write an essay on **any two** of the following questions :

(2×5=10)

18. Elaborate DNS.
 19. What are the different transport layer protocol ? Compare them in detail.
 20. Illustrate elementary TCP sockets.
 21. Discuss a simple day time client.
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