

A
(20222)
BCA-V Sem.

(Printed Pages 3)
Roll No.

18023 (CV-III)
B.C.A. Examination, Dec.-2021
COMPUTER NETWORKS
(BCA-503)

Time : 1½ Hours *[Maximum Marks :75]*

Note : Attempt **all** the sections as per instructions.

Section-A

Note : Attempt any **two** questions. Each question carries **7.5** marks. $2 \times 7.5 = 15$

1. What is UDP?
2. What is DTE-DCE interface?
3. Write a short note on computer network.
4. Differentiate between TDM and FDM.
5. What do you mean by congestion?

P.T.O.

Section-B

Note : Attempt any **one** question out of the following **three** questions. Each question carries **15** marks. $1 \times 15 = 15$

6. Discuss ISDN, its services & layers.
7. What do you mean by guided & unguided media? Explain with example.
8. Draw a neat diagram of OSI model and explain the functioning of each layer.

Section-C

Note : Attempt any **two** questions out of the following **five** questions. Each question carries **22.5** marks. $2 \times 22.5 = 45$

9. What do you understand by routing? Explain any routing protocol in detail. Differentiate between static and dynamic routing.

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10. Write short notes on:
- (a) Throughput & Wavelength
 - (b) Synchronous protocols
 - (c) Routers
11. Explain TCP packet format in detail.
12. Give a brief description of session layer and explain the functions of session layer.
13. Write short notes on:
- (a) Network topology
 - (b) LCP
 - (c) Error control