



RAN-3576

B.C.A. SEM-V (CBCS) Examination

March / April - 2019

Network Technologies 503

(Old or New to be mentioned where necessary)

સૂચના : / Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B.C.A. SEM-V (CBCS)

Name of the Subject :

Network Technologies 503

Subject Code No.:

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Seat No.:

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Student's Signature

(2) Write to the point.

(3) Provide examples and diagrams wherever appropriate / necessary.

(4) Figures to the right indicate full marks to the question.

Que-1 Answer in brief (Any five)

[10]

1. Define Nyquist bit rate.
2. Write about the concept of client and server.
3. Define the term cryptography.
4. What are the differences between Hub and Switch?
5. Define broadcast and multicast.
6. What is Flow control?

Que-2 Attempt (Any three)

[21]

1. Explain network and transport layers of OSI model.
2. Explain File servers.
3. Write a note on fibre optic cable with its advantages and disadvantages.
4. What is Digital signature? Write in detail about its usage.

Que-3 Attempt (Any three)

[21]

1. Write a note on digital certificate.
2. Write in detail about Peer based network, client server networks. With its advantages and disadvantages.
3. What is firewall? What are the functions of firewall? Explain the types of firewall.
4. Explain in detail: Repeater, Hub.

Que-4 Write short notes. (Any three)

[18]

1. Ring topology.
 2. Bridges.
 3. IP Subnetting.
 4. Public key Infrastructure.
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