http://VNSCU_AtoZmath.com - Result, Syllabus, Question Paper, Programs of BCA, BBA

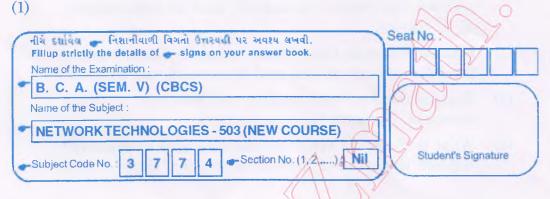
RE-3774

B. C. A. (Sem. V) (CBCS) Examination March / April - 2017 Network Technologies - 503 (New Course)

Time : 3 Hours]

Instructions :

[Total Marks 70]



- (2) Write to the point.
- (3) Provide examples and diagrams wherever appropriate / necessary.
- (4) Figures to the right indicate full marks of the question.
- 1 (a) Answer in brief (Any Five)

Hub.

10

- (1) What is Cipertext?
- (2) Explain the concept of Peer to Peer Architecture.
- (3) Explain the term : Frequency and Nyquist Ratio
- (4) Explain Guided Communication Media. List any three examples.
- (5) Explain Token Passing Mechanism in Ring Topology.
- (6) Write the differences between Repeater and

Explain in detail how the information flows from one host to another in OSI based system.

RE-3774]

(b)

[Contd...

6

ciprotext is encrypted text

http://CMAT.AtoZmath.com – CMAT MCA, MBA Online Exam Preparation

http://VNSGUDaoZanathreetad- Resulty Syllators) Question Paper, Programs of BCA, BBA

- (1) How Switches differ from Hub?
- (2) Explain Application Layer and Presentation Layer components and functions.
- (3) Mention the advantages and disadvantages of Fiber Optics.
- (4) What is header? Explain each field of TCP header.
- **3** Attempt : (Any Three)
 - (1) What is an IP address? Explain different classes of IP address. Also explain the default mask for each category of IP classes.
 - (2) What is Network Hub? Write its applications. Explain the different types of Hub used for network with diagram.
 - (3) Explain the Bus type topology and Ring type topology networks. Compare their performances
 - (4) What is Firewall? What are the functions of Firewall? Explain the types of firewall in detail.

4 Write short notes on the following (Any Three)

15

24

- (1) TCP/IP model
- (2) Public Key Infrastructure
- (3) Bridges
- (4) Wireless Network.

RE-3774]

[400]