



A-3774
Third Year B.C.A. (Sem. V) Examination
March / April – 2015
Paper - 503 : Network Technologies

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B.C.A. (SEM. V)</p> <p>Name of the Subject : PAPER - 503 : NETWORK TECHNOLOGIES</p> <p>Subject Code No. : 3 7 7 4 Section No. (1, 2,...): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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(2) All questions are compulsory.

(3) Do not interchange sub questions.

1 Answer the following question in brief. 10

- (1) Define analog and digital signals.
- (2) What is on-line storage, offline storage and near-line storage?
- (3) What are advantages and disadvantages of Bus topology?
- (4) Define the term: baud and bandwidth.
- (5) Briefly explain dedicated servers.

2 Answer the following question. (Any 4) 20

- (1) Define the term Cryptography. Write a note on Asymmetric Cryptography.
- (2) Write a note on twisted pair cable.
- (3) Write a note on UDP.
- (4) Explain the responsibilities of application and presentation layers of OSI model.
- (5) Explain print server and message server.

- 3** Answer the following question in detail. (any 3) **24**
- (1) Explain peer Networks. Discuss advantages and disadvantages of it.
 - (2) Discuss need, uses and advantages of network.
 - (3) Write a note on Firewall.
 - (4) Explain common features of different network operating system.
- 4** (a) Explain satellite communication. **8**
- (b) Explain wireless ad-hoc network and wireless Sensor Network. **8**

OR

- (b) What is segment? Explain each fields of TCP segment. **8**
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