



RF-1864

B. C. A. (Sem. IV) Examination  
April / May – 2010  
Paper - 405 : Computer Network

Time : Hours]

[Total Marks : 70

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Instruction :

ନିମ୍ନେ ଉପାଦାନ ନିଶ୍ଚଳ-ନିଶ୍ଚଳୀ ବିଗତ ଉତ୍ତରାବଳୀ ପର ଅବସ୍ଥା ଚାଲି.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
B. C. A. (Sem. 4)

Name of the Subject :  
Paper - 405 : Computer Network

Subject Code No. : 1 8 6 4 Section No. (1, 2,.....) : Nil

Seat No. : [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- 1 (a) Answer the following question in short : (any five) 10 10
- (i) What are the limitations of bus topology?
  - (ii) What is cryptography?
  - (iii) Define term bandwidth and transmission rate.
  - (iv) List out the uses of network.
  - (v) What is network?
  - (vi) Write steps to share printer on network.
  - (vii) Explain Multiple Transport Stack and network binding.
- (b) Write concept of Firewall. How does it helpful in computer network? 6 ork ? 4
- 2 Do as directed : (any three) 15 20
- (i) What is TCP/IP? What are the steps to install and configure it?
  - (ii) Explain switching in brief.
  - (iii) How to provide security with "public key algorithm"?
  - (iv) Write note on data link layer.

3 Attempt any three :

24

- (i) Discuss OSI reference model in detail.
- (ii) Explain Mesh and Ring topology.
- (iii) Which are the various transmission media? Explain functionality of fiber optics in detail.
- (iv) Explain client and server as primary component.
- (v) What is server operating system? Explain the feature of server of Operating System in brief.

4 Write short note on following : (any three)

15

- (i) NIC
- (ii) Gateway
- (iii) Application Server
- ~~(iv)~~ LAN
- (v) Ethernet.