# B.Tech. Degree VII Semester Examination, November 2009

## CS/IT 703   ADVANCED COMPUTER NETWORKS
*( 2006   Scheme)*

Time: 3 Hours                                                                                      Maximum Marks: 100

### PART – A
(Answer *ALL* questions)
(All questions carry *EQUAL* marks)

(8 x 5 = 40)

I.      (a)    Describe about WAN and LAN technologies.
        (b)    What are the different functions of BGP?
        (c)    Explain about Ethernet properties.
        (d)    Distinguish between internet multicasting and broadcasting.
        (e)    Why path attributes are important in BGP?
        (f)    Write short notes on Mobile IP.
        (g)    Differentiate between infrared and radio transmission.
        (h)    What are the advantages and disadvantages of wireless transmission?

### PART – B

(4 x 15 = 60)

II.     What do you mean by ARP?  Explain                                                      (15)
                                        **OR**
III.    Explain about    (i)    Classful  addressing scheme                                  (5)
                         (ii)   Classless addressing scheme                                 (5)
                         (iii)  Fast and Gigabit Ethernet                                    (5)


IV.     Explain about any two Interior Routing Protocols within an autonomous system.        (15)
                                        **OR**
V.      Explain about ICMP, DHCP and IGMP.                                                    (15)


VI.     Explain about cellular system.  What are the advantage and disadvantage.             (15)
                                        **OR**
VII.    Compare SDMA, FDMA, TDMA and CDMA.                                                    (15)


VIII.   Explain the GSM architecture.                                                        (15)
                                        **OR**
IX.     Explain about Wireless LAN and Mobile IP.                                            (15)

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