Roll No............

Printed Pages : 3

8812

BT-8 / M12

ADVANCE COMPUTER NETWORK AND

APPLICATIONS

Paper–IT-456

Time allowed : 3 hours]   [Maximum marks : 100

Note : Attempt five questions in all, selecting at least one question from each unit.

Unit–I

1. (a) Differentiate between TCP and UDP.   5

   (b) Differentiate between error control and flow control mechanism.   5

   (c) Why the WLAN needs different protocol than wired networks ?   5

   (d) Write note on FDDI.   5

2. (a) Explain the architecture of TCP/IP.   15

   (b) Describe any one ethernet.   5

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(2)

Unit–II

3. (a) What do you mean by Qos ? Describe at least two protocols that provide Qos.   10

   (b) Describe the packet format of IPV6.   10

4. Why routing is a tedious task in network ? Describe two routing protocol that used to find a path when required.   20

Unit–III

5. Describe the following :

   (i) Transaction oriented application

   (ii) Digital signature and Digital certificate

   (iii) Key distribution protocol

   (iv) Address Assignments.   4×5=20

6. When we use the same protocol in wireless network as in the wired network, then what are the problems that occur in this scenario and also describe the solution.   20

Unit–IV

7. (a) Describe any two protocols of application layer.   10

(3)

(b) Describe the protocol stack for voice communication in wireless networks. 10

8. Describe the following :

(i) IGMP

(ii) DVMRP

(iii) GPRS

(iv) Security in WLAN. 4×5=20