Enrollment No:-_____   Exam Seat No:-_____

C.U.SHAH UNIVERSITY
Summer-2015

Subject Code: 4CS03BNT1/4CS03INT1   **Subject Name: Data Communication & Networking**
Course Name: BCA/ B.Sc. (IT)   Date: 6/5/2015
Semester:III   Marks : 70
          Time:2:30 TO 05:30
_____

Instructions:
1) Attempt all Questions of both sections in same answer book/Supplementary.
2) Use of Programmable calculator & any other electronic instrument prohibited.
3) Instructions written on main answer book are strictly to be obeyed.
4) Draw neat diagrams & figures (if necessary) at right places.
5) Assume suitable & perfect data if needed.
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Q-1 Attempt the following questions (Attempt All)   7
   1. What is Network?
   2. What is Unicast?
   3. Give the full form of OSI model?
   4. What is port number of https?
   5. List out L1 devices?
   6. Who is the founder of TCP/IP?
   7. Full form of CSMA/CA

Q-2 Attempt the following questions
   1. Explain types of Network in details   5
   2. Explain STP & UTP cable in details   5
   3. Explain Radio wave technology   4

OR

Q-2 Attempt the following questions
   1. Explain types of Network connections   5
   2. Explain Fiber optical cable in details   5
   3. Explain Microwave technology   4

Q-3 Attempt the following questions
   1. Explain Star topology   5
   2. Explain IPv4 in details   5
   3. Explain Wireless Devices in details   4
           OR

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Q-3 Attempt the following questions
1. Explain Mesh topology   5
2. Explain IPv6 in details   5
3. Explain Router and Switch in details   4

Q-4 Attempt the following questions (Attempt All)   7
1. What is MAC Address?
2. What is logical Address?
3. What is Port Address?
4. Give the full form of RARP
5. Give the port no. of DNS
6. Which protocol is used for Mail
7. What is Ping?

Q-5 Attempt the following questions
1. Explain Wi-fi in details   5
2. Explain FDM in detail   5
3. Explain Transport layer protocol   4

OR

Q-5 Attempt the following questions
1. Explain Wi-Max in details   5
2. Explain WDM in details   5
3. Explain CSMA/CD in details   4

Q-6 Attempt the following questions
1. Explain Circuit Switching in details   7
2. Explain OSI Model in details   7

OR

Q-6 Attempt the following questions
1. Explain Packet Switching in details   7
2. Explain TCP/IP Protocol suite.   7

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