[35]

SARDAR PATEL UNIVERSITY
M.Sc(Information Technology)
Semester III Examination (NC) April -2018
PS03CINT02 (Data Communication & Networking)

Date: 12/04/2018   Marks: 70
Time: 10:00 A.M To 1:00 P.M

Q:1   Give   Answers of following Multiple Choice Questions   [08]

[1]   _____ layer is responsible for search optimum route for data transmission.
    (A)   Datalink   (B)   Physical
    (C)   Network   (D)   Transport

[2]   IPV4 address size _____ bits.
    (A)   32   (B)   64
    (C)   128   (D)   None of these

[3]   TCP stands for _____
    (A)   Transmission Control Protocol   (B)   Transmission Congestion Protocol
    (C)   Transmission Control Policy   (D)   Transmission Congestion Policy

[4]   Which of the following is not the categories of the satellites?
    (A)   LEO   (B)   MEO
    (C)   GEO   (D)   FEO

[5]   The extension of WAP image file is ____ .
    (A)   .wbm   (B)   .wbmp
    (C)   .jpg   (D)   None of the above.

[6]   Acronym of OMG is _____
    (A)   Object Management Group   (B)   Object Master Group
    (C)   Objective Manager Group   (D)   None

[7]   Piconet can have up to _____ stations.
    (A)   6   (B)   7
    (C)   8   (D)   9

[8]   FTP uses TCP Port no _____ Control connection.
    (A)   20   (B)   22
    (C)   21   (D)   19

Q:2   Do as directed (Any Seven)   [14]

[1]   Define : Hub & Switch

[2]   List the default mask of Class A, B & C.

[3]   Full form of SMTP & FTP

[4]   Define: SMS & GPRS

[5]   Explain in brief scatternet.

[6]   What is Bridge? List out various types of bridge.

[7]   Difference between error control and congestion control.

[8]   What are WML Decks and Cards?

[9]   What is distributed computing? List out various examples of distributing computing.

[P.T.O]

Q:3 [A] What is Satellite Networks? Explain various categories of satellite Networks in brief. [6]

[B] Explain TCP Segment Header. [6]

OR

[B] What is Network Management? Explain categories of Network Management System. [6]

Q:4 [A] Explain IPV4 header. [6]

[B]. What is Bluetooth profile? Give names of any five Bluetooth profile and explain it in brief. [6]

OR

[B] Write a short note on Digital Cellular Radio. [6]

Q-5 [A] What is WAP? Explain WAP architecture. [6]

[B] What is WML? Explain WML Document Structure. [6]

OR

[B] Explain the following with reference to DCOM: [6]
1. Fault Tolerance 2. Reusability 3. Location Independency.

Q-6 [A] Explain OMG reference model [6]

[B] Write a note on COM. [6]

OR

[B] Explain CORBA architecture in detail. [6]

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