M. Sc. (ECI) (Sem. VIII) (CBCS) Examination

April / May - 2018

Advance Computer Concept & Networking : Paper - 30

(New Syllabus)

Faculty Code : 003
Subject Code : 027802

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instructions :   (1)   All questions carry equal marks.

(2)   Figures on right hand side indicate marks.

1   Answer the following : (Any Seven)   **14**

(1)   What is a computer networking ?

(2)   What is network protocol ?

(3)   Briefly explain LAN and WAN networks ?

(4)   What is IP address ?

(5)   What is intranet network ?

(6)   What is TCP/IP ?

(7)   What is client/server ?

(8)   List the advantages of workgroup network.

(9)   What are the differences between client/server and workgroup network ?

(10)   What are the important topologies for networks ?

2   Answer the following : (Any Two)

(1)   Write a note on Ring network topology.   **7**

(2)   Write about the limits of workgroup networking.   **7**

(3)   Write a note on server requirement for networking.   **7**

3   Answer the following :

   (1)   Draw and explain a simple client/server network
          using traditional cabling methods.   **5**

   (2)   Briefly explain an essential networking operating
          system for a workgroup network.   **5**

   (3)   Draw only a diagram of workgroup network.   **4**

OR

3   Answer the following :

   (1)   Draw and explain a mesh topology for networking.   **7**

   (2)   List the difference between client/server and
          workgroup network.   **7**

4   Answer the following :

   (1)   Draw and explain a star topology network.   **7**

   (2)   List the advantages and disadvantages of wireless
          network technology.   **7**

5   Answer the following : (Any two)

   (1)   Explain the Bus topology and technology.   **7**

   (2)   List the Disadvantages of workgroup network
          compared to client/server network.   **7**

   (3)   What are the rules you should follow as you
          install the network cable.   **7**

   (4)   Write a note on Client network requirement.   **7**

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