B. C. A. (Sem. III) Examination

October / November - 2017

1. BCA-304 : Computer Network (Elective - I)

2. BCA-304 : Enterprise Resource Planning

Time : 3 Hours]   [Total Marks : 70

1. BCA-304 : Computer Network (Elective - I)

1 (a) Define the following :   **6**
   - (1) Topology
   - (2) Half duplex
   - (3) Analog and Digital Signal

   (b) Answer the following : (any **two**)   **12**
   - (1) What is computer network? Explain advantage and disadvantages of computer network.
   - (2) Explain TCP/IP reference model.
   - (3) What is multiplexing? Explain FDM and TDM.

2 (a) Define the following :   **5**
   - (1) Baseband and Broadband
   - (2) Guided and Unguided media

   (b) Answer the following : (any **two**)   **12**
   - (1) Explain fiber cable with its advantages and disadvantages.
   - (2) Explain Co-axial cable with figure in detail.
   - (3) Describe Microwave Transmission

3 (a) Define the following : 6

    (1)   Router

    (2)   Packet Switching

    (3)   HUB

(b) Answer the following : (any **two**) 12

    (1)   Explain bridge with its types in detail.

    (2)   Write brief note on IP address class.

    (3)   Explain Bit oriented protocol in detail.

4 (a) Answer the following : 5

    (1)   Discuss in short : CDMA

    (2)   What are advantages of mobile computing ?

(b) Answer the following : (any **two**) 12

    (1)   Explain PDA and EDA

    (2)   Explain 2G and 3G technology

    (3)   Explain Wi-Fi data communication in detail.