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

November / December – 2014

BCA-304 : Elective - I

1. Computer Networks (New Course)
2. Enterprise Resource Planning

Time : 3 Hours]   [Total Marks : 70

1. Computer Networks (New Course)

1   (a)   Answer the following : (Any three)   6
   - (1)   What is MAC address ?
   - (2)   What is topology ?
   - (3)   What is multiplexing ?
   - (4)   Define end office.

   (b)   Answer the following : (Any three)   12
   - (1)   Explain the telephone structure.
   - (2)   What is computer network ? Explain type of it.
   - (3)   Explain TCP / IP reference model.
   - (4)   Difference between FDM & TDM.

2   (a)   Answer the following : (Any five)   5
   - (1)   List out types of Propagation.
   - (2)   What is solitons ?
   - (3)   What is modem ?
   - (4)   What is undirectional antennas ?
   - (5)   What is Photons ?
   - (6)   What is Band Width ?

(b) Answer the following : (Any three)   12
    (1) Explain broad band co-axial cable.
    (2) Explain fiber optics.
    (3) Explain twisted pair.
    (4) Explain microwaves and milimeter waves.

3 (a) Answer the following : (Any three)   6
    (1) Define Router.
    (2) Explain half duplex & full duplex.
    (3) What is supernetting ?
    (4) Define bridge.

  (b) Answer the following : (Any three)   12
    (1) Explain all class of IP address in detail.
    (2) Explain Asynchronous Data link protocol.
    (3) Explain BSC frame.
    (4) Explain HDLC.

4 (a) Answer the following : (Any five)   5
    (1) Full form of PDA.
    (2) Define mobile computing.
    (3) Waht is wi fi ?
    (4) What is smart phone ?
    (5) What is wireless communication ?
    (6) Full form of CDMA.

  (b) Answer the following : (Any three)   12
    (1) Explain GPRS in detail.
    (2) Explain EDA in detail.
    (3) Explain tablet computer.
    (4) Explian GSM in detail.