



**GAI-614-615**

Seat No. 1723

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

**November/December – 2015**

- (1) BCA-304 : Computer Network**  
**(2) BCA-304 : Enterprise Resource Planning**

Time : 3 Hours]

[Total Marks : 70

**(1) BCA-304 : Computer Network**

- 1 (a) Answer the following : (any three) 6
- (1) Explain Trunks
  - (2) What is demultiplexing ?
  - (3) Explain local loop.
  - (4) What is MAE address ?
- (b) Answer the following : (any three) 12
- (1) Explain type of computer network in detail
  - (2) What is topology ? Explain any three topology.
  - (3) Explain packet and message switching
  - (4) Explain TCP/IP reference model.
- 2 (a) Answer the following : (any five) 5
- (1) What is guided media ?
  - ✓(2) What is transmission media ?
  - ✓(3) Define Photons
  - ✓(4) List out type of propagation.
  - (5) What is omni directional antennas ?
  - ✓(6) Define Solitons.

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- (b) Answer the following : (any three) 12
- (1) Difference between fiber optic and copper wire.
  - (2) Explain base band co-axial cable.
  - (3) Explain electromagnetic spectrum.
  - (4) Explain twisted pair cable.
- 3 (a) Answer the following : (any three) 6
- (1) Explain subnet mask.
  - (2) What is Hub ?
  - (3) What is bit stuffing ?
  - (4) What is piggy backing ?
- (b) Answer the following : (any three) 12
- (1) Explain any three communication device.
  - (2) Explain all class of IP address in detail.
  - (3) Explain HDLC frame.
  - (4) Explain asynchronous data link protocol.
- 4 (a) Answer the following : (any five) 5
- (1) Explain 3G
  - (2) Explain GSM.
  - (3) What is Wi Fi ?
  - (4) What is GPS ?
  - (5) Explain tablet computer.
  - (6) Define mobile computing.
- (b) Answer the following : (any three) 12
- (1) Explain EDA in detail.
  - (2) Explain CDMA in detail.
  - (3) Explain GPRS in detail.
  - (4) Explain GSM and PDA in detail.



## **(2) BCA-304 : Enterprise Resource Planning**

- 1 (a) Define following terms : 6
- (1) ERP.
  - (2) Enterprise
  - (3) BOM
  - (4) MRP
  - (5) DSS
  - (6) SCM
- (b) Attempt following : (any two) 12
- (1) Explain the advantages of ERP.
  - (2) Discuss the evolution of an ERP.
  - (3) Explain the generation of an ERP in detail.
- 2 (a) Do as directed : 5
- (1) Define : Pre evaluation screening.
  - (2) What is Reengineering ?
  - (3) What is Gap analysis ?
  - (4) Define : Training
  - (5) Define : Testing.
- (b) Attempt following : (any two) 12
- (1) What are the objectives of the ERP implementation ? Explain it in detail.
  - (2) Discuss the reasons for the failure of ERP implementations.
  - (3) Explain the phases of ERP implementation in detail.

- 3 (a) Do as directed : 6
- (1) What is Material Management ?
  - (2) List out the various sub-systems under the Human Resource Module
  - (3) Define : Plant maintenance.
- (b) Attempt following : (any two) 12
- (1) Explain Quality Management Module in detail.
  - (2) Discuss the Financial Module in detail.
  - (3) Explain SAP in detail.
- 4 (a) Define following terms : 5
- (1) E-commerce
  - (2) BPR
  - (3) GIS
  - (4) SCM
  - (5) CRM
- (b) Attempt following : (any two) 12
- (1) Explain the limitations of an ERP. Also discuss the implementation requirements of ERP.
  - (2) Discuss the advantages and uses of Data warehouse.
  - (3) What is OLAP ? Discuss the types of OLAP.
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