



AAF-604-05

Seat No. 1367

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

October / November - 2016

1. BCA-304 : Computer Network

2. BCA-304 : Enterprise Resource Planning

(Elective - II)

Time : 3 Hours]

[Total Marks : 70

1. BCA-304 : Computer Network

1 (a) Do as directed : 6

- (i) What is point-to-point Link ?
- (ii) TCP/IP is a _____ Layers protocol.
- (iii) Give full form : (a) FDM (b) TDM
- (iv) Define term : LAN
- (v) List out transmission impairments.
- (vi) Define term : Half-duplex.

(b) Attempt the following : (any two) 12

- (i) Explain telephone structure.
- (ii) Explain types of Network with advantage and disadvantage in detail.
- (iii) Explain OSI reference model.

2 (a) Do as directed : 5

- (i) What is Transmission media ?
- (ii) Give full form : (a) STP (b) VLF
- (iii) Define term : Broadband
- (iv) What is Magnetic media ?
- (v) Define term : Twisted pair

- (b) Attempt the following : (any two) 12
- (i) Explain Radio transmission in detail.
 - ~~(ii)~~ Compare : Fiber optic cable V/s Copper wire.
 - ~~(iii)~~ Explain Co-axial cable with figure in detail.
- 3 (a) Do as directed : 8
- ~~(i)~~ Compare : X-modem V/s Y-modem.
 - ✓(ii) Find the class Host-Id and Net-Id for each address :
 - (a) 85.190.1.8
 - (b) 11100010.11001100.01100011.00101011
 - ~~(iii)~~ Define term : (a) Subnet Mask (b) IP address
 - ~~(iv)~~ What is bridge ?
- (b) Attempt the following : 10
- ~~(i)~~ Explain character oriented protocol in detail.
 - ~~(ii)~~ Explain Synchronous data link protocol.
- 4 (a) Do as directed : (any five) 5
- ~~(i)~~ Give full form : (a) TDMA (b) SMS
 - ~~(ii)~~ How the 2G works ?
 - ~~(iii)~~ Define term : Wireless.
 - ~~(iv)~~ What is GPRS ?
 - ~~(v)~~ What is use of smart phone ?
- (b) Attempt the following : (any two) 12
- (i) Explain the advantage and disadvantage of mobile computing in detail.
 - (ii) Explain any two mobile data communications in detail.
 - (iii) Compare : GSM V/s GPRS.

2. BCA-304 : Enterprise Resource Planning (Elective - II)

- 1** [A] Define following terms : **6**
- [1] ERP
 - [2] BOM
 - [3] ERP Generations.
 - [4] EIS
 - [5] MPR
 - [6] DSS.
- [B] Attempt following : [Any Two] **12**
- [1] Explain general model of ERP system.
 - [2] What are the reasons for the growth of an ERP market, explain in detail.
 - [3] What is integrated management system? Also explain business modelling.
- 2** [A] Do as directed : **5**
- [1] Define : Gap analysis.
 - [2] What is Configuration?
 - [3] What is Consultants?
 - [4] List out various phases of ERP implementation life cycle.
 - [5] Define : Testing.
- [B] Attempt following : [Any Two] **12**
- [1] Discuss the cost-benefit analysis of ERP implementation.
 - [2] Explain objectives of ERP implementation.
 - [3] Explain package evaluation & pre-evaluation screening phase of ERP implementation life cycle.

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- 3** [A] Do as directed :
- [1] Define : Quality Management.
 - [2] List out various modules of ERP.
 - [3] What is SAP AG?
- [B] Attempt following : [Any Two] **12**
- [1] Discuss Sales and Distribution Module in detail.
 - [2] Explain ERP software vendors.
 - [3] Explain the Financial module in detail.
- 5**
- 4** [A] Define following terms :
- [1] SOA
 - [2] Data Warehouse
 - [3] OLAP
 - [4] Extranets
 - [5] CRM.
- [B] Attempt following : [Any Two] **12**
- [1] Explain various stages of Product Life Cycle Management.
 - [2] Explain the advantages of Data Mining.
 - [3] Explain business process re-engineering in detail.
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