

Reg. No. :

D 692 Q.P. Code : [07 DSC 08/07 DSCA 08]

(For the candidates admitted from 2007 onwards)

B.Sc./B.C.A. DEGREE EXAMINATION, MAY 2010.

Third Year

Part III — Computer Science/Computer Applications

COMPUTER NETWORKS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Explain the different types of network hardware.
2. Explain the functions of various layers in OSI reference model.
3. Explain the different types of guided transmission media.
4. Discuss any two types of communication satellites.
5. Explain with suitable examples, the error detection and correction codes.

6. Explain the architecture and applications of Bluetooth technology.
7. Explain the general principles of congestion control and congestion prevention policies.
8. Discuss in detail on digital signatures.

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Third Year

Part III - Computer Applications

**DATABASE CONCEPTS AND VISUAL
PROGRAMMING**

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Explain the various relationship of relational data model with examples.
2. Explain the role of Normal forms in relational database management systems.
3. Discuss the characteristics of any ten data types of Visual Basic with examples.
4. Describe the concept of relational expressions in Visual Basic with example.

5. Explain the various properties with respect to forms.
6. How to create an error message in Visual basic application? Explain the process with code.
7. Explain the process of creating sub menus for a menu item with an example.
8. Write a VB program to create a Array of ten check boxes to select any five subjects from the listed ten by a student.

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Third Year

Part III — Computer Applications

E-COMMERCE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

1. State the advantages and limitations of E-Commerce. Explain them in detail.
2. (a) Discuss on any two E-Commerce applications. (10)
(b) Mention the features of wireless technology and its implementation procedure. (10)
3. Narrate the concept of wireless application protocol. (20)
4. Give a detailed description on B2B E-Commerce.

5. What is EDI? Write its types with explanations. Also list its advantages.
6. (a) Discuss the types of security offered in cyberspace. (12)
(b) Summarize the client and server security threats and the role of Hackers that causes systems. (8)
7. (a) Explain the types of virus and protection against viruses. (10)
(b) Describe the importance of firewalls and security. (10)
8. Write notes on :
(a) B2B and E-payment.
(b) M-Commerce and M-Payment.

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