

Q. P. Code: 07DIT08

(For candidates admitted from 2007 onwards)

B.Sc. Degree Examinations, December - 2013

Part : III Branch : Information Technology

Third Year

PRINCIPLES OF DATA COMMUNICATION AND NETWORKS

Time: 3 hours

Maximum :100 marks

Answer any FIVE questions (5 x 20 = 100 marks)

1. Explain with examples, the techniques used for transmission error detection and correction.
2. Explain various guided media used for data transmission.
3. What is a network topology? Explain any five network topologies with their structure and working.
4. With a neat sketch, explain the functions of layers in OSI reference model.
5. Discuss in detail on the architecture and interfaces of ISDN.
6. Describe in detail, the internal architecture of Internet Service Provider.

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7. Explain in detail on File Transfer Protocol.
 8. Explain in detail on Electronic Mail.

4. Explain the various control structures in PL/SQL in detail. (20)
5. Explain the following
- (a) cursors
 - (b) triggers. (10 + 10)
6. (a) Explain in detail about assignment operations. (10)
- (b) Explain functions in PL/SQL. (10)
7. (a) With example explain the DML commands of SQL. (10)
- (b) How variables are declared in PL/SQL? Explain with examples. (10)
8. (a) Write a PL/SQL program to find the factorial of a given number. (10)
- (b) Explain the first, second and third normal forms with examples. (10)

Reg. No. :

D 2097

Q.P. Code : [07 DIT 09]

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B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third Year

Part III — Information Technology

RELATIONAL DATABASE MANAGEMENT
SYSTEMS AND ORACLE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Explain the various operations of relational algebra. (10)
- (b) Explain in detail about denormalization process. (10)
2. (a) What is table? How is created in oracle? Discuss. (10)
- (b) Explain update with an examples. (10)
3. (a) Explain about SQL commands. (10)
- (b) Discuss the client/server database in detail. (10)

3. Explain about control array with examples. (20)
 4. Write a program for student information system using database in VB. (20)
 5. (a) Write down about data types in VB. (10)
(b) Explain about flex grid control. (10)
 6. (a) Explain the timer control in detail. (10)
(b) Explain the menu editor. (10)
 7. What is MDI form? How to create the MDI forms? Explain in detail. (20)
 8. Discuss in detail about DAO and RDO with an example. (20)
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Reg. No. :

D 2098

Q.P. Code : [07 DIT 10]

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B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third year

Part III – Information Technology

VISUAL PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100 marks)

1. Give a brief discussion on various toolbars in VB .
 - (a) Standard tool bar (7)
 - (b) Debug tool bar (7)
 - (c) Form editor tool bar. (6)
2. Write about the following :
 - (a) Functions (8)
 - (b) Sub procedures (8)
 - (c) Difference between the functions and procedures. (4)

7. Explain the following

(a) GCI

(b) JSP.

(10+10)

8. What is XML? What are the benefits of XML?
Explain the use of XML parsers in processing the
data. (20)

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B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third Year

Part III — Information Technology

WEB TECHNOLOGY

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Describe the history of internet in detail. (20)
2. Discuss the OSI reference model with a diagram. (20)
3. Discuss the features of TCP/IP in detail. (20)
4. (a) What is WWW? Discuss. (10)
(b) Write short notes on Telnet. (10)
5. Discuss DNS, E-mail in detail. (20)
6. (a) Explain about DHTML in detail. (10)
(b) Write notes on Java servlets. (10)