

5. Discuss in detail about PL/SQL cursor and its types.
 6. Explain the various control structures in PL/SQL.
 7. Describe in detail about triggers in PL/SQL with examples.
 8. Write short notes on :
 - (a) Exceptions
 - (b) Packages
 - (c) Spooling
 - (d) Relational languages.
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Reg. No. :

D 2036

Q.P. Code : [07 DSC 09]

(For the candidates admitted from 2007 onwards)

B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third Year

Part III — Computer Science

RDBMS AND ORACLE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Explain the Boyce-Codd normal form and fourth normal form with examples.
2. Explain the various integrity rules in relational data model.
3. Explain with examples, the various table manipulations in oracle.
4. Explain with examples, the join and set operations in oracle.

4. (a) How to creating pop-up menus? Explain. (10)
 (b) Write short notes on :
 (i) Logical errors (4)
 (ii) Watch values (3)
 (iii) Induced Errors. (3)
5. (a) Explain the Event Procedures and Function Procedures. (10)
 (b) Write a Program to find largest number from the given set of n numbers. (10)
6. (a) Explain any five string handling functions in VB. (10)
 (b) How to use control array in VB? Explain. (10)
7. (a) Write a VB program to create the simple arithmetic calculator. (12)
 (b) How to open, read, write and close files? Explain. (8)
8. (a) Explain the common Dialog control with an example. (12)
 (b) Explain about the Random files in VB. (8)

Reg. No. :

D 2037

Q.P. Code : [07 DSC 10]

(For the candidates admitted from 2007 onwards)

B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third Year

Part III — Computer Science

VISUAL PROGRAMMING – VISUAL BASIC

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Explain the elements of Visual Basic IDE. (10)
 (b) Write a VB program to check whether the given value in the text box control is greater than 18 or not. (10)
2. (a) Explain the Select case with an example. (8)
 (b) Explain the converted string with an example. (12)
3. (a) Explain any six controls in the standard tools box. (12)
 (b) How to create timed Events? Explain (8)

5. Write about scalability testing and reliability testing procedures. (20)
 6. (a) Discuss the process for performance testing. (8)
(b) Narrate the procedure of resetting the test cases for regression testing. (12)
 7. Describe the important test management aspects that are to be taken care of at the time of planning a project. (20)
 8. State the different kinds of test defect metrics and explain in detail. (20)
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Reg. No. :

D 2038

Q.P. Code : [07 DSC 11]

(For the candidates admitted from 2007 onwards)

B.Sc. DEGREE EXAMINATION, DECEMBER 2013.

Third Year

Part III — Computer Science

SOFTWARE TESTING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

1. (a) Give a note on phases of software project. (12)
(b) Write about modified V model. (8)
2. Describe the various methods of code coverage testing. (20)
3. Discuss the requirements based testing and boundary value analysis testing. (20)
4. Explain the concept of "Defect bash" in detail. (20)

6. Explain the hierarchical and multicast routing algorithms with examples.
 7. Explain in detail on digital signature.
 8. Discuss in detail on cryptography.
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Reg. No. :

D 2021

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

(For the candidates admitted from 2007 onwards)

B.Sc./B.C.A. DEGREE EXAMINATION,
DECEMBER 2013.

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 functions of various layers in OSI reference model with a neat diagram.
2. Explain the various guided transmission media used for communication.
3. Explain any two low-earth orbit satellites.
4. Explain with examples, the error detection and correction codes.
5. Discuss in detail on wireless LANs.