

4. (a) Write a java program for sorting n numbers in ascending order. (10)
(b) What is a constructor? Give an example program for the same.
5. (a) How to create, accessing and use the packages? Explain. (12)
(b) Write an applet program to enter any two number in the relevant input box and display its sum. (8)
6. (a) Explain the types of errors. (10)
(b) Write a program using control loops in applets. (10)
7. Write a java program to read the content of an input file that consists of student name, three different marks and result. The result "pass" data are stored in the pass file and the result "fail" data are stored in the fail file. (20)
8. (a) Explain the input and output stream classes with an example. (12)
(b) Describe the function and classes used for handling i/o related exceptions. (8)
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Reg. No. :

D 2022

Q.P. Code : [07 DSCA 09]

(For the candidates admitted from 2007 onwards)

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

Third Year

Part III – Computer Applications

JAVA PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Give the applications of OOP (6)
(b) Explain the structure of the java program. (6)
(c) How java differs from C and C++? (8)
2. (a) Explain the Java 2 Features. (14)
(b) Write a Java program to find the whether a given number is Prime or not. (6)
3. (a) Explain the data types in Java with an example. (10)
(b) Explain the Nested IF statement with an example. (10)

4. (a) Explain the use of Timer with example. (10)
(b) Bring out the difference between checkboxes and radio buttons.
5. (a) Discuss the features of VB IDE. (14)
(b) What is a control away? (6)
6. (a) Explain the input box () with example. (10)
(b) What is a modal dialog box? Explain. (5)
(c) What is a pop-up menu? (5)
7. (a) What is a function procedure in VB? Explain. (10)
(b) Write VB code to initialize three scroll bars and using the values in them as R, G, B values, set the background color.
8. (a) Write VB code to read the contents of a file and write it into another file. (10)
(b) Explain the parameter passing mechanism in the functions and procedures. (10)
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Reg. No. :

D 2023

Q.P. Code : [07 DSCA 10]

(For the candidates admitted from 2007 onwards)

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

Third Year

Part III – Computer Application

DATABASE CONCEPTS AND VISUAL
PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

1. (a) Discuss the design of a Data base, up to 3 NF, with suitable example. (14)
(b) What is meant by De-normalization? (6)
2. (a) What is the need for integrity constraints? Explain. (10)
(b) Explain the data types and the operators with VB. (10)
3. (a) Write VB code to receive a 4 digit number and to connect it to a single digit number by adding the individual digits. (12)
(b) Explain the 'if' condition with example. (8)

5. Give a neat description on B2B tool – electronic data interchange in detail with financial and justifying EDI. (20)
 6. Narrate the procedure of designing for security. (20)
 7. Explain the concepts of security protection and recovery measures adopted in e-commerce. (20)
 8. What are the requirements for Internet based payments? Explain with different payment models. (20)
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Reg. No. :

D 2024

Q.P. Code : [07 DSCA 11]

(For the candidates admitted from 2007 onwards)

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

Third Year

Part III — Computer Applications

E-COMMERCE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

1. Describe the procedures of integrating E-Commerce. (20)
2. Give a detailed note on advantages and issues of E-Commerce. (20)
3. How does wireless technology is employed? Explain in detail. (20)
 - (a) Explain how do wireless application protocol works. (12)
 - (b) With neat diagram; explain the key components of B2B e-commerce. (8)

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.