

4. (a) Explain the different access modifiers with examples. (12)  
(b) Explain any four solving methods with examples. (8)
5. (a) Explain the life cycle of an applet. (8)  
(b) Discuss the exception handling mechanism. (12)
6. (a) How animation is created in an applet? Explain it with example. (14)  
(b) What is the significance of push back Input stream? (6)
7. (a) Write a java program to read the contents of one file level write it into another file. (12)  
(b) Explain the methods in the output stream. (8)
8. Discuss:
- (a) Web browser
  - (b) Final class
  - (c) Vector
  - (d) JRE.

Reg. No. : .....

D 1030

Q.P. Code : [07 DSCA 09]

(For the candidates admitted from 2007 onwards)

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

Third Year

Part III — Computer Application

JAVA PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. Discuss the features of object counted programming. Also list the benefits.
2. (a) What is the different between 'Float' and 'float'? (5)  
(b) List the relational operators in Java and explain. (6)  
(c) Explain the 'if' and 'for' statements with examples. (4+5)
3. (a) Explain multiple luberilance with example. (14)  
(b) Explain the use of joiwcs method. (6)

4. (a) Explain about Debugging tools.  
(b) Explain about sequential data files.
  5. (a) Write short notes on Microsoft common control 6.0. explain any three.  
(b) Discuss about Binary files.
  6. (a) Explain how to display information on a firm.  
(b) Explain branching statements.
  7. Explain sub procedure, event procedure and function procedure with example.
  8. (a) Write a program to implement bubble sort.  
(b) How to run multiple forms at runtime.
- 

Reg. No. : .....

**D 1031**

**Q.P. Code : [07 DSCA 10]**

(For the candidates admitted from 2007 onwards)

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

Third Semester

Part III — Computer Applications

**DATABASE CONCEPTS AND VISUAL  
PROGRAMMING**

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Discuss on looping statements with examples.  
(b) Explain normal forms.
2. (a) Explain Grid and Flex grid controls.  
(b) How to monitor mouse activities.
3. (a) Explain the file system controls.  
(b) Write a program to create a employee pay roll.

4. Give a details description on wireless application protocol.
5. Elucidate the role of supply chain management in B2B e-commerce.
6. (a) Discuss on B2B tool – “EDI” alongwith its advantages and drawbacks. (12)  
(b) Narrate the importance of Biometrics security. (8)
7. Give a neat description on security in cyberspace.
8. What are different types of electronic payment media through transactions can be had? Explain in detail.

Reg. No. : .....

**D 1032**

**Q.P. Code : [07 DSCA 11]**

(For the candidates admitted from 2007 onwards)

**B.C.A. DEGREE EXAMINATION, MAY 2013.**

**Third Year**

**Part III — Computer Applications**

**E-COMMERCE**

**Time : Three hours**

**Maximum : 100 marks**

**Answer any FIVE questions.**

**All questions carry equal marks.**

**(5 × 20 = 100)**

1. List and explain the various advantages and issues of e-commerce.
2. (a) Narrate the different business models of e-commerce. (14)  
(b) With neat diagram, discuss the e-commerce value chain. (6)
3. Explain how does wireless technology is employed.

5. Explain with examples, the error detection and correction codes.
  6. Explain the shortest path routing and broadcast routing algorithms with examples.
  7. Explain in detail, the connection establishment in Transport protocols.
  8. Discuss in detail on domain name system.
- 

Reg. No. : .....

**D 1029**

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

(For the candidates admitted from 2007-2008 onwards)

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

Third Year

Part III — Computer Science/Computer Applications

**COMPUTER NETWORKS**

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. With a neat sketch, explain the functions of layers in OSI reference model.
2. Explain in detail about wireless transmission.
3. Explain in detail about one-bit sliding window protocol.
4. Discuss in detail on Bluetooth system.