

Reg. No. :

D 1519

Q.P. Code : [07 DSCA 09]

(For the candidates admitted from 2007-2008 onwards)

B.C.A. DEGREE EXAMINATION, MAY 2014.

Third Year

Part III – Computer Applications

JAVA PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

1. (a) Explain the basic concepts of object-oriented programming (14)
(b) Explain the web browsers. (6)
2. (a) Give the benefits of object oriented programming. (12)
(b) Write a Java program to find the greatest number from given three numbers. (8)
3. (a) Explain the various types of operators in Java with an example. (10)
(b) Explain the switch statement with an example. (10)

4. (a) Write a java program for sorting strings in alphabetical order. (10)
- (b) What is method of overloading? Give an example program. (10)
5. (a) Explain multiple inheritance with a suitable program. (10)
- (b) How to create, access and use a package in java? Explain. (10)
6. (a) Write an applet to display four radio buttons with the captions "Computers Science", "Information Technology", "Computer Applications" and "Cyber Technology". Create a text field and use it to indicate which course is selected. (12)
- (b) Explain the applet life cycle. (8)
7. (a) Explain the input and output stream classes. (10)
- (b) How to read and write characters in a file? Explain. (10)
8. (a) Write a java program to read a content of an input file and display the screen. (10)
- (b) Explain the random access files. (10)

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D 1520

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B.C.A. DEGREE EXAMINATION, MAY 2014.

Third Year

Part III – Computer Applications

DATABASE CONCEPTS AND VISUAL
PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

1. (a) Design a data model for a library information system. (10)
(b) What is functional dependency? What is full functional dependency? Explain. (10)
2. (a) Explain the conditions for a relation to be in 2NF with examples. (10)
(b) Explain the hierarchy of exciting the operation in VB, with suitable examples. (10)
3. (a) Discuss the looping structures in VB. (12)
(b) What is meant by event driven programming? Explain. (8)

4. (a) What is a control away? Explain. (10)
(b) Explain any five control with purpose and few methods. (10)
 5. (a) Explain how a form is created and code is added to a control. (14)
(b) Explain the use of a timer control. (6)
 6. (a) Explain the msgbox with example. (10)
(b) Drawn the different types of menus. (10)
 7. (a) What is a sub procedure? Explain with example. (10)
(b) Write VB code to read an essay and to add the elements one-by-one to a list control. (10)
 8. (a) Discuss the file handling features of VB. (12)
(b) Write VB code to read the contents of a file and to display it on the text area. (8)
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Reg. No. :

D 1521

Q.P. Code : [07 DSCA 11]

(For the candidates admitted from 2007–2008 onwards)

B.C.A. DEGREE EXAMINATION, MAY 2014.

Third Year

Part III — Computer Applications

E-COMMERCE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

1. (a) Narrate the several drivers that support E-Commerce survival and growth. (12)
- (b) Write down the myths of E-Commerce. (8)
2. (a) Summarize the benefits and limitations of the Internet. (12)
- (b) List out and discuss the different business models of E-Commerce. (8)
3. Give a neat description on wireless application protocol with its advantages and limitations. (20)

4. (a) Elaborate on Bluetooth architecture and its applications. (12)
 - (b) With an example, discuss the importance of supply chain management process. (8)
 5. Explain the B2B models in detail. (20)
 6. Describe the ways and means of providing security in cyberspace. (20)
 7. (a) Give a brief account on client and server security threats. (10)
 - (b) Discuss on types of biometrics system. Also state the advantages and drawbacks of biometric devices. (10)
 8. List out the different types of electronic payment media and explain in detail. (20)
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