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B.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2013.

Third Semester

Computer Applications – Main

JAVA PROGRAMMING

(For those who joined in July 2012 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. The operations ||, &&, *, !, if arranged in the ascending order of precedence, read

- (a) &&, ||, *, ! (b) ||, &&, *, !
(c) ||, &&, !, * (d) !, ||, &&, *

2. Which of the following methods is used to get the error message for the exception that was thrown?

- (a) Print message (b) Extract message
(c) Throw message (d) Get message

3. The key words-try, catch and finally are typically used in the sequence

- (a) Try, catch, finally (b) Finally, try, catch
(c) Catch, try, finally (d) Try, finally, catch

4. Constants that cannot be changed are declared using the keyword

- (a) Final (b) Static
(c) Abstract (d) Immutable

5. Which of the following packages needs to be imported to use the StringTokenizer class?

- (a) Java. io (b) Java. util
(c) Java. lang (d) Java. net



6. Which of the following can be used to generate HTML documentation from a Java source code?

- (a) Javadoc (b) JavaHtmlDoc
- (c) JavaC (d) Jar

7. Which of the following can be declared final?

- (a) A class (b) A method
- (c) A member variable (d) None of these

8. Garbage collector frees the programmer from worrying about

- (a) Memory leaks
- (b) Dangling references
- (c) Creating new objects
- (d) Recursion

9. Which of the following command line options generates documentation for all classes and methods?

- (a) -Protected (b) -Public
- (c) - Private (d) All of these

10. What does the following line of code do?

`Textfield text = new TextField(10)`

- (a) Creates text object that can hold 10 rows of text
- (b) Creates text object than can hold 10 columns of text
- (c) Creates the object text and initializes it with 10
- (d) The code is illegal

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Why java is important to the internet? Explain.

Or

(b) Explain the java literals with examples.



12. (a) Explain the nested and inner class with an example.

Or

- (b) Explain overridden methods.

13. (a) Write about uncaught exceptions.

Or

- (b) Write about thread priorities.

14. (a) Explain the predefined streams in Java.

Or

- (b) Explain repaint() with an example.

15. (a) Write about AWT classes.

Or

- (b) Explain the steps involved in the creation of check boxes.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

16. (a) Describe about the overview of java.

Or

- (b) Describe about the various operators in Java.

17. (a) What do you mean by inheritance? Discuss about the various forms of inheritance in Java.

Or

- (b) Write a java program to search whether the given number is present in list or not.

18. (a) Discuss about interfaces.

Or

- (b) Discuss about the user defined exceptions with an example.



19. (a) Describe about applet architecture.

Or

(b) Develop an applet that receives three numeric values as input from the user and then displays the largest of the three on the screen. Write a HTML page and test the applet.

20. (a) Explain the steps for working with frame windows.

Or

(b) Describe about the choiWce controls in details.

