

(6 pages)

Reg. No. :

Code No. : 6928

Sub. Code : HCAM 23

M.C.A. (CBCS) DEGREE EXAMINATION,
APRIL 2016.

Second Semester

Computer Applications

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. How integer literal can expressed binary data?

- (a) `int binaryData = b11010;`
- (b) `int binaryData = bx11010;`
- (c) `int binaryData = 0b11010;`
- (d) `int binaryData = xb11010;`

- 2. Which is right way to declare Array?
(a) `int[ ] myArray;` (b) `int myArray[ ];`
(c) none (d) (a) and (b) both
- 3. What is default layer manager for panels and applets?
(a) `FlowLayout` (b) `GridLayout`
(c) `BorderLayout` (d) None of the above
- 4. Which method of system class is used to copy array?
(a) `copyArray` (b) `arrayCopy`
(c) `arraycopy` (d) `arrCopy`
- 5. What will be the output of following

```
{  
double d1 = -0.5d;  
System.out.println("Ceil for d1" + Math.ceil(d1));  
System.out.println("Floor for d1" + Math.floor(d1));  
}
```


(a) Ceil for d1 0
Floor for d1 -1.0;
(b) Ceil for d1 0
Floor for d1 -1;
(c) Ceil for d1 0.0
Floor for d1 -1.0;
(d) Ceil for d1 -0.0
Floor for d1 -1.0;



6. Boolean b1 = new Boolean("TRUE")
 2 Boolean b2 = new Boolean("ture");
 3 Boolean b3 = new Boolean("JUNK");
 4 System.out.println("" + b1 + b2 + b3);
- (a) Compiler error (b) RunTime error
 (c) Truetruefalse (d) Truetrueure
7. To get the font list of available fonts, we have to invoke a method defined in
- (a) String (b) Font
 (c) Graphics (d) FontMetrics
8. A constructor that is automatically generated in the absence of explicit constructors called?
- (a) Default constructor
 (b) Nullary constructor
 (c) Empty constructor
 (d) All the above
9. Which of the following may be part of a class definition?
- (a) instance variables (b) instance methods
 (c) constructors (d) all of the above

10. What is difference between a java applet and java application?
- (a) an application can in general be trusted whereas an applet can't
 (b) an applet must be executed in a browser environment
 (c) an applet is not able to access the files of the computer it runs on
 (d) (a), (b) and (c)

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain creating and executing a java application.

Or

- (b) Explain java program structure.

12. (a) Explain Abstract class in java.

Or

- (b) Write a short note about interfaces.

13. (a) Explain about inheritance in java.

Or

- (b) Write a simple applet program.



14. (a) Write about : user defined exception handling mechanism.

Or

- (b) Write a note about exception and error classes.

15. (a) Define a creation of data table.

Or

- (b) Explain table updating.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Give a brief note about java language creating.

Or

- (b) Write briefly about operators and expressions.

17. (a) Write a java program using inheritance.

Or

- (b) Write a simple swing program for Jpanel.

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18. (a) Write a brief note about Event Handling methods.

Or

- (b) Write about adapter classes.

19. (a) Explain Default exception handling.

Or

- (b) Explain about custom exceptions.

20. (a) Write a java code to establishing a connection and explain.

Or

- (b) Write a method to create a data tables.

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