

(6 pages)

Reg. No. : .....

Code No. : 7439

Sub. Code : HCSM 13

M.Sc. (CBCS) DEGREE EXAMINATION,  
NOVEMBER 2015.

First Semester

Computer Science

ADVANCED 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 symbol "!" in java means  
(a) Logical OR                      (b) Logical not  
(c) Logical XOR                    (d) AND
2. The mechanism of allowing one interface to be used in a general class of actions is  
(a) Encapsulation                  (b) Interfaces  
(c) Polymorphism                  (d) Dynamic binding

3. The member that can be accessed only by other members of its class  
(a) Public                              (b) Private  
(c) Protected                        (d) None
4. These are designed to support dynamic method resolution at run time  
(a) Inheritance                      (b) Packages  
(c) Interfaces                        (d) Abstraction
5. The mechanism to handle errors and unusual boundary condition in programs logic  
(a) Thread                              (b) Method overriding  
(c) Packages                        (d) Exception handling
6. It is an object that is used as mutually exclusive lock or mutex  
(a) Monitor                              (b) Synchronization  
(c) Thread                              (d) None
7. drawString() is a member of  
(a) Inner class                        (b) Final class  
(c) Graphics class                    (d) None of the above



8. An object which is responsible for remembering the current foreground and background color and text font is
- (a) Component (b) Container  
(c) Panel (d) Window
9. It is the process of analyzing a bean to determine its capabilities
- (a) Boolean properties (b) Indexed properties  
(c) Introspection (d) None of the above
10. Frame is a subclass of
- (a) Window (b) Container  
(c) Applet (d) Bean

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the general form of a class with example.
- Or
- (b) Discuss about method overloading.

Page 3. Code No. : 7439

12. (a) Explain Exception Handling with any three keywords.

Or

- (b) What are interfaces? Explain the general form of interface.

13. (a) Write about adapter classes.

Or

- (b) Explain :

- (i) Frame  
(ii) Panel.

14. (a) Explain persistence in a java bean.

Or

- (b) Explain the types of JDBC drivers.

15. (a) Explain cookies.

Or

- (b) Write a simple servlet program to read data from a client.

Page 4 Code No. : 7439  
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**PART C — (5 × 8 = 40 marks)**

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

Each answer should not exceed 600 words.

16. (a) Explain about the OOPs principles.

Or

- (b) Explain inheritance with example.

17. (a) Explain :

- (i) Thread synchronization
- (ii) Inter thread communication.

Or

- (b) What are applets? Explain applet class with an example program.

18. (a) Explain inner class and anonymous inner classes.

Or

- (b) What are swing? Explain any three fundamentals of swing.

19. (a) Explain the tools in BDK.

Or

- (b) Discuss about RMI.

20. (a) Explain the procedure to create a simple servlet.

Or

- (b) Explain JSP tags.
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