

(6 pages)

Reg. No. :

Code No. : 6416

Sub. Code : HCSM 13

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2013.

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. Which of the following statements about the Java language is true?
 - (a) Java supports only Procedural approach towards programming
 - (b) Both Procedural and Object Oriented Programming are supported in Java
 - (c) Java supports only Object Oriented Programming approach
 - (d) None of the Above

2. Which one creates an instance of an array?

- (a) `int [] i = new int[15];`
- (b) `float f = new float[20];`
- (c) `char[] c — "Some String";`
- (d) `int i[] [] = {4,5,6 }, {1,2,3};`

3. `pow ( )` is associated with which class

- (a) Math class
- (b) Input stream class
- (c) Object class
- (d) None of above

4. Which of the following will not directly cause a thread to stop?

- (a) `InputStream` access
- (b) `wait( )`
- (c) `notify( )`
- (d) `sleep( )`

5. Package of `drawstring ( )` method s

- (a) `java.applet`
- (b) `java.io`
- (c) `javax.swing`
- (d) `java.awt`

6. Java is designed for the distributed environment of the Internet, because it handles _____ protocols.

- (a) UDP
- (b) TCP
- (c) FTP
- (d) TEL

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13. (a) Write about adapter classes.

Or

(b) Write short notes on JTextField class.

14. (a) List the merits of Java Beans.

Or

(b) Write short notes on RMIException.

15. (a) Differentiate Java Servlets and CGI.

Or

(b) Write short notes on Session Objects.

PART C — (5 × 8 = 40 marks)

Answer All the questions, choosing either (a) or (b).

16. (a) Explain in detail about method overloading.

Or

(b) Discuss different form of inheritance in java.

17. (a) Explain in detail about Exception handling.

Or

(b) Discuss about method overloading in java.

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18. (a) Explain in detail about even handling methods.

Or

(b) Write a client-server program using TCP approach.

19. (a) Write a program for client/server application in RMI.

Or

(b) Explain different types of statement objects in JDBC connection.

20. (a) Write a program for tracking sessions using Java Servlet.

Or

(b) List the tags used in JSP programming.

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