



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS**

SECOND SEMESTER – NOVEMBER 2016

**CA 2804 - PROGRAMMING WITH JAVA**

Date: 04-11-2016  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**PART – A**

**Answer ALL questions**

**10 X 2 = 20**

1. Define java program framework.
2. What are Boolean logical operators?
3. List few character extraction methods.
4. Define interface.
5. What are the methodologies included in thread creation?
6. Write the abstract classes of *io* stream.
7. List the types of applets.
8. What are event listeners?
9. List the types of layout of java.
10. Define Datagram.

**PART – B**

**Answer ALL questions**

**5 X 8 = 40**

11. a) Write note on lexical issues of java.  
**Or**  
b) Discuss the properties of abstract class with example.
12. a) Elucidate the methods of string buffering.  
**Or**  
b) Describe the creation of own exception subclass with an example.
13. a) Illustrate inter-thread communication with an example.  
**Or**  
b) Write note on the following classes of Util:  
(i) Random  
(ii) Scanner
14. a) List and explain the applet initialization and termination methods.  
**Or**  
b) Discuss on few graphic methods supported by java with example.
15. a) Write note on the URL class of java networking.  
**Or**  
b) Explain the various drivers of JDBC with diagram.

**PART – C**

**Answer any TWO questions**

**2 X 20 =40**

16. a) Explain the steps of connecting database to java with example.
- b) What are the various types of inheritances supported by java? Explain the method overriding with an example.
17. a) Elaborate access protection among packages with example.
- b) Discuss on various collection classes.
18. a) Explain the mouse events of java with example.
- b) Discuss the various controls supported by AWT with example.

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