

Roll No

**MCTA-203**

**M.E./M.Tech., II Semester**

Examination, May 2018

**Advance Programming with J2EE**

*Time : Three Hours*

*Maximum Marks : 70*

- Note :* i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Explain in detail about Java operators and expressions with an example. 3 7  
b) Write a Java program to print different multiplication tables using multiple threads? 7
2. How threads are created in Java? Explain its workflow with example? 14
- 3 a) Explain the working of RMI with a suitable example? 7  
b) Write a program which shows the working of an applet? 7
4. a) Describe the following attributes of <applet> tag. 7  
i) codebase  
ii) code  
iii) width  
iv) Alt  
b) Explain AWT, classes and control of AWT in detail. 7

5. Discuss the Java database connectivity. Write a program to explain JDBC connectivity for employee payroll calculation. 14

6. a) Explain the working of servlets with an example to display 'Hello'. 5 7  
b) Write the various features of Java? 5 7

7. a) What is the difference between swing and AWT. 7  
b) Explain about AWT and AWT controls. 7

8. Write a short notes (any two) 7×2=14  
i) Java virtual machine 5  
ii) Java beans  
iii) IDL 2

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