

Total No. of Questions :5]

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Roll No

IT-505

B.E. V Semester

Examination, December 2016

Java Programming

Time : Three Hours

Maximum Marks : 70

- Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each question are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max.50 words) carry 2 marks, part C (Max.100 words) carry 3 marks, part D (Max.400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

Unit - I

1. a) Differentiate between Java Compiler and Interpreter.
b) What are the Basic functions of Java Application Programming Interface (API)?
c) Explain in brief, Access specifiers.
d) What do you understand by Applet? Explain the life cycle of applet with suitable example.

Or

Write a program to multiply 2x2 matrices with the help of core java.

Unit - II

2. a) Give an example of Adapter class.
b) What do you understand by Delegation model?
c) What is the difference between Swing and AWT?
d) How co-ordinate Transformation and Image manipulation is done? In AWT.

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Or

Explain in brief about event sources and event listeners.

Unit - III

3. a) Explain Concept of multithreading.
b) What is an Exception? What are their types?
c) What is the purpose of thread scheduling?
d) Explain Exception handling in java with the suitable example.

Or

Explain the term "try", "catch", "throw" and "assertions" with examples.

Unit - IV

4. a) Define Input stream and Output stream.
b) What is the purpose of Print writer in Java?
c) What is the difference between Buffered Reader and Buffered Writer?
d) What are the basic steps for using JDBC to access database? Explain briefly with syntax.

Or

Write a Java program which accepts a file name as command line argument and finds the length of the longest line. Display error message if file does not exists.

Unit - V

5. a) What is the Purpose of Socket programming?
b) Write steps to create RMI applications.
c) Explain RMI registry services.
d) Explain RMI client/server architecture.

Or

What are the process to Create proxy server?

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