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53 (IT 501) JVPR

2016

JAVA PROGRAMMING

Paper : IT 501

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

Answer **any five** questions.

- (a) Write a program in java to print the area of various shapes—rectangle, circle, square using the concept of method overriding. 10

(b) Explain the concept of exception handling. How will you create your own exception ? 10

Contd.

2. (a) Explain the lifecycle of Applet. How will you pass parameters to Applet ? 10
- (b) What is Multithreading ? Mention the need for multithreading. 5
- (c) Explain the purpose of each argument used in the method drawArc (). 5
3. (a) Implement a Java client and server side socket program to exchange the message between them. 10
- (b) What do you mean by synchronization ? Explain with example. 10
4. (a) When do you use yield (), stop (), and sleep () methods ? Give example. 10
- (b) What is the task of main method in Java program ? Explain with example. 5
- (c) Is it possible to replace the switch statement by a nested if-else statement ? Justify your answer. 5

5. (a) Write a program, which will read a text and count all occurrences of a particular word. 10
- (b) Describe the major tasks of input and output stream classes. 10
6. (a) Write a program that will count the number of words and lines in the file. 10
- (b) Explain various swing components in details. 10
7. Write short notes on : 20
- (a) Event Handling
- (b) Servlet
- (c) JDBC
- (d) J2ME
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