

Seat No. _____

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SARDAR PATEL UNIVERSITY
M.Sc.IT (Integrated) Examination, 5th Semester
Monday, 24th October, 2016.
Morning Time: 10:00 A.M to 01:00 P.M
Subject Code: PS05CIIT03/ Paper No: 03
Subject: Object Oriented Programming through Java

Total Weight age/Marks: 70

Q.1 Multiple Choice Questions.

10

1. The _____ parameter is used to specify the applet class name.
A. classname B. classname
C. nameclass D. classapplet
2. Through the applet life cycle _____ state occur only once.
A. Running B. Idle
C. Born D. None of these
3. The paint method accepts _____ type of argument.
A. Graphics B. Graphic
C. Drawing D. None of these
4. "Use of undeclared variables" is the _____ type of error.
A. Logical B. Exception
C. Run-time D. Compile-time
5. _____ is caused by bad array indexes.
A. NullPointerException B. ArithmeticException
C. IOException D. ArrayIndexOutOfBoundsException
6. Which package is used for creating and implementing applets?
A. java.awt.swing.applet B. java.applet.awt
C. java.applet D. java.applet.swing
7. _____ inheritance is not supported by JAVA.
A. Hierarchical B. Multi level
C. Hybrid D. Multiple
8. We cannot create a subclass of _____ class.
A. Abstract B. static
C. final D. public
9. The comparisons can be done with help of _____ operator.
A. Assignment B. Mathematical
C. Arithmetic D. Relational
10. _____ operator is used to construct conditional expression.
A. Dot(.) B. instanceof
C. Ternary(?:) D. None

P.T.O

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- Q.2** Answer the following questions in short. (Any 10) **20**
- 1) Explain methods (1) setBackground() (2) setForeground() with example.
 - 2) Write difference between java applet program and java application program?
 - 3) List down methods for KeyEvent class and ItemEvent class.
 - 4) Explain any two string methods with example.
 - 5) List the methods of Reader or Writer class.
 - 6) List out the different types of exception.
 - 7) Define class. How does it accomplish data hiding?
 - 8) Define interface. Write the syntax for implementing an interface in a class.
 - 9) Define method overloading.
 - 10) Write the syntax of the following loops – while, do...while, for loop.
 - 11) What is meaning of automatic type conversion?
 - 12) What is JVM (Java Virtual Machine)?
- Q.3(A)** Draw Java Program Structure. List and Explain Features of Java in detail. **10**
- OR**
- Q.3(A)** Write a short note on Java Tokens. **10**
- Q.4(A)** Define inheritance. Describe different forms of inheritance with example and figure. **06**
- (B)** What is a constructor? What are its special properties? **04**
- OR**
- Q.4(A)** Define class. How do classes help us to organize our programs? What are the three parts of a simple, empty class? **06**
- (B)** Explain super and final keyword with example. **04**
- Q.5(A)** What is package? What are the benefits of package? Explain Java API packages. **06**
- (B)** Describe the try and catch statements in detail. **04**
- OR**
- Q.5(A)** What is exception? Explain the syntax of try block and catch block with an example. **06**
- (B)** Explain Reader stream classes and Writer stream classes. **04**
- Q.6(A)** Explain Applet Life Cycle with figure. **05**
- (B)** Explain Label and TextField with its method and example. **05**
- OR**
- Q.6(A)** What is JDBC? List out JDBC components and types of drivers. **05**
- (B)** Explain Choice and Button with its method and example. **05**

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