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SEAT No. _____

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SARDAR PATEL UNIVERSITY

B.Sc. IT, 6th Semester

Saturday, 31st March, 2018.

Morning Time: 10:00 A.M to 01:00 P.M

Subject Code: US06CINT03/ Paper No: 03

Subject: Object Oriented Programming Using Java

Total Weight age/Marks: 70

Q.1 Multiple Choice Questions.

10

1. Java compiler translates source code into _____ ?
A. Bytecode
B. Bitcode
C. Machine Code
D. User code
2. The _____ includes hundreds of classes and methods grouped into several function packages.
A. JRE
B. JVM
C. JAVAC
D. API
3. Java does not support _____.
A. Multiple inheritance
B. Operator overloading
C. Global variable
D. All of the above
4. _____ is default access specifiers in JAVA.
A. friendly
B. private
C. protected
D. public
5. What keyword is used in Java to define a constant?
A. static
B. abstract
C. final
D. private
6. _____ Keyword is used to inherit a class.
A. extend
B. implement
C. implements
D. extends
7. _____ is caused by bad array indexes.
A. ArrayIndexOutOfBoundsException
B. ArrayStoreException
C. ArithmeticException
D. IOException
8. Which package is used for creating and implementing applets?
A. java.lang
B. java.util
C. java.applet
D. java.awt
9. _____ is valid parameter to set the background color as red.
A. setColor(RED)
B. Color = RED
C. Color.RED
D. new Color(RED)
10. The paint method accepts _____ type of argument.
A. Art
B. Drawing
C. Graphics
D. None of these

P.T.O

(1)

Q.2	Answer the following questions in short. (Any 10)	20
	1) Draw the java program structure.	
	2) Write down the rules for variable naming.	
	3) What is meaning of automatic type conversion?	
	4) Define the final variable and final methods.	
	5) What is Interface? Write Syntax for defining interface.	
	6) Define constructor. How do we invoke constructor in JAVA?	
	7) Give examples of the Run-time error.	
	8) Define the terms: try, catch.	
	9) List the java API packages.	
	10) Explain KeyEvent in brief.	
	11) What is ItemEvent?.	
	12) Define Event Listener in brief.	
Q.3(A)	What is java? Explain any six features of java.	06
(B)	Explain the structure of java program.	04
	OR	
Q.3(A)	List out the operators. Explain any two in detail	06
(B)	List the data types available in java. Explain any one in detail.	04
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)	When do we declare a method or class abstract? Discuss with one Example	04
	OR	
Q.4(A)	Define inheritance. Describe different forms of inheritance.	06
(B)	Write short note on method overloading and method overriding	04
Q.5(A)	List out any five methods of String class by giving an example.	06
(B)	Explain Reader stream classes and Writer stream classes.	04
	OR	
Q.5(A)	What is package? What are the benefits of package? Explain Java API packages	06
(B)	Write a short note on Character Stream classes.	04
Q.6(A)	Write a short note on Label, TextField and Explain Applet life cycle in detail.	10
	OR	
Q.6(A)	Write a short note on TextArea, Choice, Button, Checkbox with example.	10