SARDAR PATEL UNIVERSITY
External Examination (CBCS)
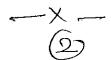### B.Sc. - Information Technology (IT)
6th - Semester (CBCS)
US06CINT03: Object Oriented Programming using JAVA
29th March, Friday - 2019

Time: 10:00am to 1:00pm

Total Marks: 70

Q-1   Select an appropriate option.   10

1.   Java is developed by _____.
     (a) Sun Microsystems of USA   (b) Microsoft   (c) Adobe   (d) None

2.   _____ is reserved keyword in java.
     (a) Abstract   (b) Extends   (c) Package   (d) All of these

3.   JVM stands for _____
     (a) Java Virtual Method   (b) Java Virtual Machine
     (c) Java Variable & Methods   (d) Java Versatile Machine

4.   _____ keyword is used to inherit a class.
     (a) Extend   (b) Implement   (c) Extends   (d) Implements

5.   What keyword is used in Java to define a constant?
     (a) Static   (b) Final   (c) Abstract   (d) Private

6.   _____ Constructor is created when object of particular class is created.
     (a) Default   (b) Parameterized   (c) Copy   (d) None of these

7.   "Use of undeclared variables" is the _____ type of error.
     (a) Logical   (b) Exception   (c) Run-time   (d) Compile-time

8.   Which package is used for creating and implementing applets?
     (a) java.lang   (b) java.util   (c) java.applet   (d) java.awt

9.   Through the applet life cycle _____ state occur only once.
     (a) Running   (b) Idle   (c) Born   (d) None of these

10. In _____ component, we can select multiple items.
     (a) Option Button   (b) Choice   (c) List   (d) None of these

Q-2   Answer the following questions. (Attempt any **TEN**)   20

1.   Java is platform-independent and portable. - Justify.
2.   Draw the java program structure.
3.   What is meaning of automatic type conversion?
4.   Define fields and methods of a class in JAVA.
5.   Write the syntax for implementing an interface in a class.

(P.T.O.)

6. Differentiate between Classes and Interface.
7. Give examples of the Run-time error.
8. List the java API packages.
9. Define the term – Exception and Exception Handling.
10. Define: (i) Event (ii) Event Source.
11. Write difference between java applet program and java application program.
12. Explain methods: (i) setBackground( ) (ii) setForeground( ).

Q-3
(a) What is java? Explain the features of java.   5
(b) Explain the data types available in java.   5

OR

Q-3
(a) List out the looping statements available in java with example.   5
(b) Explain break and continue statements with example.   5

Q-4
(a) What is a constructor? What are its special properties?   5
(b) Write short note on method overloading and method overriding.   5

OR

Q-4
(a) Define inheritance. Describe different forms of inheritance.   5
(b) When do we declare a method or class abstract? Discuss with example. 5

Q-5 Explain Reader stream classes and Writer stream classes.   10

OR

Q-5 List out any five methods of String class by giving an example.   10

Q-6
(a) Explain Applet life cycle in detail.   5
(b) Write short note: (i) Button   (ii) TextArea   5

OR

Q-6
(a) Write short note: (i) TextField (ii) Checkbox   5
(b) Explain the methods of MouseListener.   5

—X—

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