

PARUL UNIVERSITY
PARUL INSTITUTE OF COMPUTER APPLICATION
BCA DEPARTMENT
Mid Term Examination – March, 2017

Subject Code: 05101251/05301251
Subject Title: Core Java
Course: BCA / IMCA Semester: 4

Date: 17/04/2017
Time: (1.5 hours)
Total Marks: 30.

Q.1 Multiple Choice Questions (Attempt any 06 from 10) [06]

- 1) Object is an instance of _____.
a) Constructor b) Interface c) Abstract class d) class
- 2) Overloading constructor is not allowed in java. (T/F)
- 3) _____ members are accessed by other members of that class.
a) Public b) private c) default d) protected
- 4) From following _____ is not logical operator in Java.
a) && b) \\ c) || d) !
- 5) A subclass encapsulates less functionality than its super class. (T/F)
- 6) TimeZone class belongs to _____ package.
Java.awt b) java.util c) java.lang d) None of these
- 7) After compilation java source code is converted in to _____ file.
a) .bmp b).class c).java d) None of these
- 8) To append string in defined buffer instance _____ method is used.
a) insert() b) add() c)append() d) None of these
- 9) _____ class cannot be instantiated.
a) Final b) abstract c) both a) and b) d) None of these
- 10) To implement inheritance _____ keyword is used.
a) extends b) implements c) final d) abstract

Q.2 Answer the following (1 line) (Attempt any 08 from 10) [08]

- 1) What is bytecode?
- 2) List various tokens in Java.
- 3) JVM stands for _____.
- 4) List various types of inheritance in Java.
- 5) "Java is robust language" – Justify your answer.
- 6) What is encapsulation?
- 7) "Inheritance can be implemented in case of interfaces." (True/False)
- 8) What is an Exception?
- 9) List various tools from Java Development Kit.
- 10) List non-primitive data types in Java.

Q.3 Answer the following questions (Short) (Attempt any 4 from 6) [08]

- 1) Discuss special operators in Java.
- 2) Justify "Java is platform independent and robust"
- 3) What is class in Java?
- 4) Give difference between abstract and final keywords.
- 5) Explain ceil() and floor(), methods from Math class.
- 6) Discuss Arrays in Java.

Q.4 Answer the following questions (Long) (Attempt any 2 from 4) [08]

- 1) Explain for loop in Java with example.
- 2) Discuss method overriding in Java with example.
- 3) Discuss five keywords to handle exception in Java.
- 4) Explain String class with at least five methods with example.

*** All the Best***