	PAWAR PUBLIC SCHOOL, BHANDUP					
Class	**Subject**	**Assessment**	**Marks**	**Date**	**Duration**	**No. of Printed Pages**
X	**Computer Applications**	**Prelim-2**	**50**	**10-02-22**	**1 ½ Hour**	**3**

Answers to this Paper must be written on the paper provided separately.
You will not be allowed to write during the first 10 minutes.
This time is to be spent in reading the question paper.
The time given at the head of this Paper is the time allowed for writing the answers.
Attempt all questions from Section A and any four questions from Section B.
The intended marks for questions or parts of questions are given in brackets [ ]

SECTION A (Attempt all questions.)

Question 1
Choose the correct answers to the questions from the given options. (Do not copy the question, Write the correct answer only.)   [10]

(i)   The data type int is included in _____wrapper class.
a)   Int
b)   int
c)   Integer
d)   integer

(ii)   State the value of x after the following is executed:
        char x='Z';
        y=Character.isLetter(x);
a)   true
b)   Z
c)   x
d)   false

(iii)   The package that contains wrapper class is _____
(a)   java.util
(b)   java.lang
(c)   java.io
(d)   java.awt

(iv)   Give the output of the following string methods:
        "Computer Applications".indexOf('p')+ "Computer Applications".lastIndexOf('p')
(a)   16
(b)   15
(c)   14
(d)   17

(v)   A class member declared as _____ can be accessed directly by all the classes within the same package and the subclasses of its class even if the subclasses are in different packages.
(a)   private
(b)   protected
(c)   public
(d)   final

(vi)   The following statement :
        int Rno[ ]= {20,27,38,40};
(a)   Assign 20 to Rno[2]
(b)   Assign 27 to Rno[2]
(c)   Assign 38 to Rno[2]
(d)   Assign 40 to Rno[2]

(vii)   Which of the following function finds the size of an array?
(a)   Array.length();
(b)   Array.length;
(c)   Array.len();
(d)   Array.len;

(viii) valueOf() function converts:
(a)   String to primitive type
(b)   Primitive type to String
(c)   Character to String
(d)   String to Character

(ix)   Give the output of the following code:
        String s= "7";
        int t =Integer.parseInt(s);
        t=t+1000;
        System.out.println(t);
(a)   7000
(b)   1007
(c)   10007
(d)   8000

(x)   char data type belong to _____wrapper class.
(a)   Char
(b)   Character
(c)   char
(d)   character

SECTION B
(Attempt any four questions.)

Question 2   [10]
Write a program to accept the year of graduation from school as an integer value from the user. Using the Binary Search technique on the sorted array of integers given below, output the message 'Record exists' if the value input is located in the array. If not, output the message Record does not exist".
(1982, 1987, 1993. 1996, 1999, 2003, 2006, 2007, 2009, 2010)

Question 3   [10]
Define a class to declare a character array of size ten, accept the character into the array and perform the following:
  • Count the number of lowercase letters in the array and print.
  • Count the number of digits in the array and print

Question 4   [10]
Write a program to store 10 numbers in a single dimensional array and find the sum of all the even numbers and odd numbers present in it.

Question 5   [10]
Write a program to input a sentence. Find and display the following:
(i) Number of words present in the sentence
(ii) Number of letters present in the sentence
Assume that the sentence has neither include any digit nor a special character.

Question 6   [10]
Write a program to accept a sentence. Display the sentence   in reversing order of its word.
Sample Input: Computer is Fun
Sample Output: Fun is Computer

Question 7   [10]
Define a class to accept and store 10 names into the array and print the names which start with 'R' or 'r'.