

RBK School, Mira Road

(Managed by Babubhai Kanakia Foundation)

SECOND PRELIM EXAM 18-19

X std:

Date: 09/01/19

Subject: Computer

Marks: 100

Dur.: 2 Hrs

	Dui Z rirs
Question 1 SECTION A	
a Define java byte code	(Marks 40)
Write difference between	
c Name types of java programs.	1
What parse function de	2
What parse function does? Explain with an example.	. 2
Name any two construct	2
Question 2	, 2
Write java statement to	1
b What is the role of keyword void in the role of keyword	
What is the role of keyword void in function declaration. Which OOP principle implemented by a	2
Which OOP principle implemented by function overloading. d Name the following:	
A package that is invoked by default	• • •
(ii) A String function that comme	2
Write a java statement to create a reverse loop to	s boolean value
Write a java statement to cheate a reverse loop from 8 to	0 0 . 2
Question 3	1
Write the value of x after execution .	'
int $x = 4$;	2
$x -= ++x + ++ + + + + + + \times *4$	
Write the output for the following:	
String s1 = "Mission Impossible";	201 113
System.out.println(Math.pow(s1.indexOf('I'),2));	Bel-487
System.out.println (s1.length());	16HC-57
System.out.println(s1.substring(0,6)+ s1.substring(10));	65 - 90
System.out.println(s1.lastIndexOf('s'));	97-122
Solve the following code.	
int a[]={ 'a,'b','c','d','A','B','C','D'};	
System.out.println((int)a[3]);	
System.out.println(a.length);	
System.out.println(a[4]);	

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d Write output for the following:

    (i) System.out.print("Beautiful");
      System.out.println("Flower");
  (ii) System.out.println("Life is "+"\n"+ "Challenge");
e Write output
   int i=5;
   for(; i<=20;i+=4) 4 %
   System.out.print(i);
   System.out.println(i);
                                                                                         3
f Answer the following questions based on function
    void show (int H)
      H*=7
      System.out.println("H"+H);
   public void result ()
     int q=8;
     show(q);
(if) Name the formal and actual parameter
(ii) Name the local variable
(iii) Give the output when function show () is called?
Write difference between next() and nextLine().
                                                                                          2
Explain any two Character class function with an example.
                                                                                          2
                                                                         (60 Marks)
                                    SECTION B
  ( attempt any four questions from this section. Variable description is necessary)
     Define a class Library with following specifications:
      Data members: String title: to store title of the book
                         String author : to store the author name
                         int acc_num: stores the accession number
                         double fine: calculate fine amount
      Member methods:
      void input ()- to take value from user for the variables title, author, acc num
      void cal() - to calculate fine as per the number of days book is returned late
                   fine is Rs 5 per day.
      void display - Display details in the following format:
                                              Author
                                                            Fine
      Accession Number
                                  Title
Call all the above function in main function.
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Q. <i>5</i>	Design a class to overload a function name area to perform following operation.	
	double area (double a, double b, double c): $ar = \sqrt{s(s-a)(s-b)(s-c)}$ where s = 3+b+a/2	
	double area (int x, int y, int ht) : ar 1= $1/2$ ht(x+v)	
.6	double area (double d1, double d2); ar2= 1/2(d1 x d2)	15
	Write a menu driven program to perform following operation as per user's choice. Take number from user. (i) Display only even factors of a number	ŗ
	(II) 1/2+3/4+5/6+7/8+x/x+1(take value of x)	
0,7/	(iii) calculate and display frequency of odd digits in a number Write a program to accept word from user and perform following operation	15
	(i) check if it is a special word or not(special word is one which has first and last character same.) display proper message.	
	(II) count total number of vowels	
7 8 .	(iii) display only even ascii code of characters.	15
4.0	Write a program to create two array name A and B of size 10. Perform following operation:	
	(i) Input in an array A and find square of each number and store in array	
	B and display both the arrays simultaneously. (ii) Display square root of each number from array A and display square root.	
Q.9	Write a program to input a number from user and using binary search method	
	find the number is present in the given array or not. Display proper message Array is: a [] = { 125,234,567,657,786.896,983,1010,1110,1212}	15