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oll N	o. : Candidate's Signature	Invigilator's Signature		e
IMI	E : 2 Hrs.	Date :		M.M.: 80
		Date .		
	STRUCTIONS FOR OMR SHEET:-			
1.	Attempt ALL the questions:			matta nachini - A
2.	Use only black or blue (ball pen) for dark	ening/writing	; in appropria	te oval/box.
3.	While darkening the oval/box it is to	e ensured th	at these are d	arkened
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	Subject : COMPUT	ER APPLICA	ATION	aliuo metey?
Q.1-	Procedure Oriented Programming	Q.6	is the techniqu	e of binding bot
	gives importance to :			together to keep
	a. Instructions only			uthorised acces
	b. Instructions and data		nisuse.	Suveries of Texas
			bstraction	
	c. Data only		ncapsulation	
	d. None of these	D. E.	olymorphism	colden trans
2.2-	JRE stands for :	c. Pe	orymorphism	
	a. Java Runtime Editor		one of these	
	b. Java Runtime Expression		l-alone Java aj	oplications
	c. Java Runtime Environment		kecution.	
	d. None of these		eed Java-comp	
Q.3-	Procedure Oriented Programming		rowser	
	mainly uses:		eèd an asseml	
	a. Top-down approach	c. n	eed a linker	edyd mof 1.c
	b. Top-down and bottom-up	d. n	one of these	irvi daligi ila
	approach	Q.8- Java	uses for	execution.
	c. Top-down approach	a. C	Compiler	Set process
	d. None of these	b. C	Compiler and I	nterpreter
Q.4-			nterpreter	
2.1	class is known as of the class.		None of these	= 11 (11 (111))
	a. Interface b. Alias			entity in the rea
				-
-			a with its iden function	tity and behavio
2.5-				b. Class
	and behaviour are grouped together		Procedure	d. None of the
	into a/an:			nd are often
	a. Interface b. Alias		rchangeable.	
	e. Class d. None of these		natanco	b. Behaviour
		C .	Class	d None of th

```
Q.11- ASCII is ____ set of codes.
                                                  Q.19- What will be the output
      a. 6-bit
                         b. 8-bits
                                                         "KEYBOARD".substring(3,8)?
      c. 16-bits
                         d. None of these
                                                         a. BOARD
                                                                           b. BOAR
Q.12- Which of the following is not a legal
                                                                           d. None of these
                                                         c. OARD
      identifier?
                                                  Q.20- Which of the following packages
      a. _age
                         b. 9thClass
                                                        contain string functions?
      c. $Amount
                         d. None of these
                                                        a. java.lang
Q.13- An operator taking only single
                                                        b. java.String
      operand for its operation is called:
                                                        c. java.awt
      a. A unary operator
                                                        d. None of these

 b. A ternary operator

                                                  Q.21- Predict the output
      c. A binary operator
                                                        int a = 0, i = 4;
      d. None of these
                                                        while(i<10)
Q.14- Which one of the following is not a
                                                        a + = ++i - i * 2;
                                                        System.out.println("a = "+a+" \setminus ni =
      binary operator?
      a. ==
                         b. %
                                                        "+i);
                                                                           b. -45, 10
                         d. None of these
                                                        a. -35, 12
       Which one of the following is not a
                                                                           d. None of these
                                                        c. -50, 8
                                      22. Write the output of the following code
      valid operator in Java?
      a. <=
                                                        char ch;
                         b. >=
                                                        int x = 97
                          d. None of these
Q.15- Find the output of the following code:
                                                        do
      int s = 14;
      if(s > 20)
                                                           ch = (char) x;
                                                           System.out.print ( ch +" " );
      System.out.print("under");
      else
                                                           if (x\% 10 == 0)
      System.out.print("over");
                                                           break;
      System.out.print(" the limit");
                                                          ++X;
       a. Under the limit
                                                          while (x \le 100);
      b. Over the limit
                                                        a. abcd
                                                        b. 97 98 99 100
       c. The limit
       d. None of these
                                                        c. ABC D
                                                        d. None of these
Q.16- What will be the final value stored in
                                                 Q.23- Single line comments can be added
       the variable x?
       double x = Math.ceil(2.4) +
                                                        using
                                                                          b. \\
                  Math.pow(2,3)
                                                        a. //
                                                        c. /* */
                                                                          d. None of these
                         b. 12.0
      a. 11.0
       c. 10.0 c. None of these
                                                 Q.24- Which keyword do you use to
Q.17- The number of bytes occupied by the
                                                        include a class in your program?
                                                                          b. include
                                                        a. import
      constant 78 is:
                                                                          d. None of these
                                                        c. export
                         b. Two bytes
      a. Four bytes
                                                 Q.25- Default delimiter used in the Scanner
                         d. None of these
      c. Eight bytes
Q.18- How many times the inner loop will
                                                        class is:
                                                        a. Comma
                                                                          b. Colon
      execute?
      for(int k = 1; k \le 2; k++)
                                                        c. whitespace
                                                                          d. None of these
                                                 Q.26- Which package would you import to
                                                        display the date and time?
          for(int m=1; m \le 4; m++)
                                                        a. java.util
                                                                          b. java.io
                                                        c. java Date
                                                                          d. None of these
                System.out.println("Bluej");
                                                 Q.27- Which package would you import for
                                                        the Scanner class?
      a. 16 times b. 12 times
                                                        a. java.util
                                                                           b. java.io.
                      d. None of these
                                                        c. java.lang
                                                                           d. None of these
      c. 8 times
```

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O.28- Give the output of Math.sqrt(x); when
                                                 Which of the following statements is correct?
      x = 9.0
                                                        a. case 1 will be executed
                         b. 3.00
      a. 3
                                                        b. default will be executed.
                         d. None of these
      c. 3.0
                                                        c. case 2 will be executed
Q.29- Give the output of Math.ceil(46.6).
                                                        d. None of these
      a. 46.6
                         b. 47.0
                                                  Q.37- A sequence of statements enclosed
       c. 46.0
                         d. None of these
                                                        between a pair of curly brackets is
Q.30- Give the output of Math.abs(x); when
                                                         called:
       x = -9,99
                                                         a. compound statement
       a. -9.99
                          b. 9.99
                                                         b. null statement
       c. 0.99
                          d. None of these
                                                         c. empty statement
Q.31- Which of the following is a method
                                                         d. None of these
       to find the square root of a number?
                                                  Q.38- Which clause is optional in the switch
       a. FindSquareroot(x)
                                                         statement?
       b. Math.Square(x)
                                                         a. default
                                                                           b. switch
        c. Math.sqrt(x)
                                                         c. case
                                                                            d. None of these
        d. None of these
                                                  Q.39- Which of the following statements
 Q.32- Math.random() returns a double
                                                         involves a fall-through?
        value r such that
                                                         a. if-else
                                                                            b. if-else ladder
        a. 0 \le r \le 1
                           b. 0 < r \le 1
                                                         c. for loop
                                                                            d. None of these
        c. 0 \le r \le 1
                           d. None of these
                                                   Q.40- Which of the following is mandatory
 Q.33- Which operator can not be used with
                                                         in the switch statement?
        if-else statement?
                                                         a. default b. break
        a. <=
                           b. &&
                                                         c. case
                                                                   d. None of these
        c. ?:
                           d. None of these
                                                   Q.41- Which of the following is an exit-
  Q.34- Consider the following code snippet:
                                                         controlled loop?
         if(c > d)
                                                         a. for
                                                                            b. do-while
            x = c
                                                          c. while
                                                                            d. None of these
         else
                                                   Q.42- Which of the following is an invalid
                                                          loop?
  Choose the correct option if the code
                                                          a. while
                                                                            b. while
  mentioned above is rewritten using the
                                                          c. for
                                                                            d. None of these
                                                    Q.43- Which of the following is not a jump
   ternary operator.
         a. x = (c > d) ? c : d
                                                          statement in Java?
         b. x = (c > d) ? c : c
                                                          a. continue
                                                                             b. break
         c. x = (c > d) ? d : c;
                                                          c. jump
                                                                        d. None of these
         d. None of these
                                                    Q.44- How many times will the following
   Q.35- If ((a > b) && (a > c)) then which of
                                                          code print "Hello"?
          the following statements is true?
                                                          for (int i=1; i<=15; i++);
                                                              System.out.println("Hello");
          a. c is the largest number
          b. a is the largest number
                                                                  b. 1
          c. b is the smallest number
                                                                 d. None of these
          d. None of these
                                                    Q.45- What will be the output of the
   Q.36- Consider the following code snippet:
                                                           following code?
                                                           public static void main(String args[])
          Int val = 2
          switch (val)
                                                              int sum = 0;
              case 1: System.out.println("Case
                                                              for (int i = 1; i \le 5; i++)
              1"); break;
              case 2: System.out println("Case
                                                                 sum =i;
              2"); break;
              default: System.out.println("No
                                                              System.out.println(sum);
              match found");
              break;
                                                                               b. 15
                                                            c.
                                                                               d. None of these
```

```
Q.46- How many times will the following
                                                Q.51- Give the output of the following code:
      loop execute?
                                                       String A = "26" B = "100";
      public static void main(String args[])
                                                       String D = A + B + "200";
                                                       int x = Integer.parseInt(A);
          int sum = 0;
                                                       int y = Integer.parseInt (B);
          for (int i = 10; i > 15; i++)
                                                       int d = x + y;
                                                       System.out.println("Result 1 ="+D);
              sum += 1;
                                                       System.out.println("Result 2 ="+d);
                                                       a. Result 1= 26200100
          System.out.println(sum);
                                                          Result 2= 124
      1
                                                      b. Result 1= 26100200
          15
      a.
                                                          Result 2= 126
      b. 20
                                                    c. Result 1= 20026100
      c. 35
                                                          Result 2= 226
       d. None of these
                                                      d. None of these
Q.47- The for loop may contain _____
                                                What will be the output of the following
      initialisations and updates.
                                                statements? (Q 52 to Q.56)
       a. one
                                                      String x = "Object Oriented";
      b. many
                                                      String y = "Programming Language";
      c. two
                                                Q.52- System.out.println (y.substring
      d. None of these
                                                      (12).length());
Q.48- Analyse the following program
                                                      a. 12
      segment and determine the output of
      the program segment
                                                      c. 10
      int p = 200
                                                      d. None of these
      while (true)
                                                Q.53- System.out.println (x.concat
                                                      (y.substring (0, 11));
          if (p < 100)
                                                      a. Object Oriented Programming
          break;
                                                      b. Oriented Programming Language
          p = p - 20;
                                                      c. Object Oriented Programming
                                                         Language
      System.out.println(p);
                                                     c. None of these
      a. 80
                                               Q.54- System.out.println (x.substring
      b. 100
                                                      (7).endsWith ("e"));
      c. 120
                                                      a. true
      d. None of these
                                                      b. false
Q.49- Write the output for the following:
                                                      c. yes
      String s1 = "phoenix"; String s2 =
                                                     d. None of these
      "island";
                                               Q.55- System.out.println (y.substring
      (a) System.out.print(s1.substring(0).
                                                      (0, 11).length ()> x.
          concat(s2. substring(2)));
                                                     substring(7).length());
      (b) System.out.println (s2.
                                                     a. Indiana really me
          toUpperCase());
                                                     b. false
      a. pheonixland ISLAND
                                                  seroca true
      b. phoenixISLAND
                                                     d. None of these
      c. PHEONIX
                                               Q.56- String str = "COMPUTER";
      d. None of these
                                                     char ch = str.char At (9/2);
Q.50- Give the output of the following
                                                     int a = ch;
      string functions:
                                                     System.out.println (ch + " " + a);
      "ACHIEVEMENT".replace ('E','A');
                                                     a. U 85
      a. ACHIAVAMANT
                                                     b. P 80
      b. ACHIAVEMENT
                                                     c. T 84
      c. ACHIEVEMENT
                                                     d. None of these
      d. None of these
```

- Q.57- In a switch case, when the switch value does not respond to any case then the execution transfers to:
 - a. break statement
 - b. default case
 - c. loop
 - d. none of these
- Q.58- Which of the following is a compound statement?
 - a. P=Integer.parseInt(in.readLine());
 - b. c = ++a
 - c. if(a > b) a++; b--
 - d. None of these
- Q.59- Condition is essentially formed by using :
 - a. Arithmetic operators
 - b. Logical operators
 - c. Relational operators
 - d. None of these
- Q.60- if(a > b)

c = a;

else

c = b;

It can be written as:

- a. c = (b > a) ? a : b;
- b. c = (a! = b) ? a : b;
- c. c = (a > b) ? b : a
- d. None of these
- Q.61- Two arithmetical expressions can be compared with the if statement, using:
 - a. Arithmetic operator
 - b. Relational operator
 - c. Logical operator
 - d. None of these
- Q.62- Which of the following is a conditional statement?
 - a. if mention is a second
 - b. goto
 - c. for
 - d. None of these
- Q.63- Which of the following statement accomplishes a 'fall through'?
 - a. for statement
 - b. switch case statement
 - c. if-else
 - d. None of these
- Q.64- A Java program executes but doesn't give the desired output. It is due to:
 - a. the logical error in the program
 - b. the syntax error in the program
 - c. the run time error in the program
 - d. None of these

- Q.65- The term IPR stands for:
 - a. Intellectual Property Rights
 - b. Intellectual Performance Rights
 - c. Individual Performance Rights
 - d. None of these
- Q.66- IPR applies to
 - a. Trademarks
 - b. Patents
 - c. Copyrights
 - d. None of these
- Q.67- Privacy of data can be breached by disclosing information pertaining to
 - a. Personal details
 - b. Healthcare records
 - c. Criminal justice investigations
 - d. None of these
- Q.68- Which of the following is not a form of software piracy?
 - a. Softlifting
 - b. Counterfeiting
 - c. Encrypting
 - d. None of these
- Q.69- The right to decide how much personal information you want to communicate with others is known as:
 - a. Copyright
 - b. Trademark
 - c. Privacy
 - d. None of these
- Q.70- The unsolicited emails and attractive advertisements are collectively known as:
 - a. Spam
 - b. Virus
 - c. Hacking
 - d. None of these
- Q.71- The right which is concerned with the design and algorithm of the product rather than the entire product is called:
 - a. Copyright
 - b. Patent
 - c. Trademark
 - d. None of these
- Q.72- Hacking a web server or taking control of another person's website is called:
 - a. Web Hiking
 - b. Web Crawling
 - c. Web Hijacking
 - d. None of these

```
Read the code segment and answer the
Q.73- A program will stop executing if
                                             question numbers (77 - 80)
      there is ____ in the program.
      a. logical error
                                                         ?1?____ ques
      b. syntax error
      c. runtime error
                                                      public static void main(int n)
      d. None of these
Q.74- ____ determines the order of
                                                        int num = ?2?
      evaluation if two operators are
                                                        int ctr = ?3?, d, sum = ?4?;
      having same precedence.
                                                        while(?5?)
      a. Associativity
      b. Operator precedence
                                                        ctr++;
      c. Operator overriding
                                                        num=?6?;
      d. None of these
Q.75- int v = 5;
                                                        num=n;
      while (--v \ge 0)
                                                        while(num>0)
      System.out.print(v);
      a. 543210
                                                          d= num% ?7?;
      b. 43210
                                                          sum = sum + (int)
      c. 4321
                                                          Math.pow( d,?8?);
      d. None of these
                                                          ?9? = num/10;
Q.76- switch(ch)
                                                        if (?10?)
          case 'M':
                                                        1
          System.out.println("Microsoft
                                                          System.out.println(n+" is an
          Teams");
                                                          Armstrong number");
          break:
          case 'G':
          System.out.println("Google
                                                          System.out.println(n+" is not
                                                          an Armstrong number");
          case 'W':
          System.out.println("Web Ex");
          break;
                                              Q.77- Expression statement at ?1?
          default:
                                                    a. class
          System.out.println("Any
                                                    b. void
          Software");
                                                    c. public
                                                    d. None of these
       When ch= 'g'
                                              Q.78- Expression statement at ?2?
       a. Web Ex
                                                    a. 0
       b. Any Software
                                                    b. n
       c. Google Meet
       d. None of these
                                                    d. None of these
                                              Q.79- Expression statement at ?3?
                                                    a. 0
                                                    b. 1 1000 at
                                                    c. -1
                                                    d. None of these
                                              Q.80- Expression statement at ?4?
                                                    a. 0
                                                    b. 1
```

c. -1

d. None of these