## INSTRUCTIONS FOR OMR SHEET:-

1. Attempt ALL the questions:

2. Use only black or blue (ball pen) for darkening/writing in appropriate oval/box.

3. While darkening the oval/box it is to be ensured that these are darkened completely.

4. OMR sheet shall not be folded or tampered in any way.

5. Over writing/erasing/dual data/use of correction fluid will render OMR sheet invalid.

## **Subject: COMPUTER APPLICATION**

- Q.1- In object-oriented programming the stress is given on:
  - a. data
  - b. methods
  - c. class
  - d. none of these
- Q.2- Which of the following principle does not allow to access directly from outside the class premises?
  - a. data hiding
  - b. encapsulation
  - c. abstraction
  - d. all of these
- Q.3- The process of combining data and functions that enables them to be together as a singleentity is called:
  - a. inheritance
  - b. encapsulation
  - c. attributes
  - d. none of these
- Q.4- The process by which a class acquires the properties from another class is called:
  - a. polymorphism
  - b. inheritance
  - c. object
  - d. none of these

- Q.5- In procedural programming, the stress is laid on :
  - a. class
  - b. function
  - c data
  - d. none of these
- Q.6- is a set of objects that has common attributes and common behaviour.
  - a. abstraction
  - b. encapsulation
  - c. class
  - d. none of these
- Q.7- Which of the following is not an object oriented programming language?
  - a. C++
  - b. BASIC
  - c. Simula
- Q.8. d. None of these
  The process of restricting the free flow of data from the outside world is known as:
  - a. encapsulation
  - b. function
  - c. inheritance
  - d. none of these

Q.9-A Java program developed and Q.17- If((p > q) && (q < r)) then: executed by the users without using a. q is the smallest number web browser is known as: b. p is the greatest number a. object c. q is the greatest number b. application d. none of these c. applet O.18 - if(a > b)d. none of these c = a;Q.10- Who developed Java? else a. James Gosling c = b: b. Robert James It can be written as: c. Bjarne Stroustrup a. c = (b < a) ? a : b;d. None of these b. c = (a! = b) ? a : b;Q.11- Java Virtual Machine (JVM) is an: a. interpreter b. compiler c. machine code d. none of these Q.12- Java is a case sensitive language. Which is the most appropriate statement with respect to this context? a. Upper and lower case letters are distinguished. b. Upper and lower case letters are ignored. c. Only lower case letters are distinguished. feature. d. none of these Q.13- Which of the following package is needed to find the square root of a number? a. java.text b. java.math c. java.lang d. none of these Q.14- Which of the following is not a Java reserved word? b. private a. public d. none of these c. total Q.15- The most suitable statement for Blue a. It is a window based platform. b. It is a DOS based platform. c. It is a window based and DOS based platform. d. none of these If m. a. p are the three integers, then which of the following holds true, if (m == n) && (n != p) : a. m' and 'n' are equal b. 'n' and 'p' are equal c. "m' and 'p' are equal

c. c = (a < b) ? b : a;d. none of these Q.19- if (a < h && a < c) a. a is the greatest number b. b is the greatest number c. c is the smallest number d. none of these Q.20- Objects can communicate with each other through \_\_\_\_ in object oriented programming language. a. · Object b. Class c. Keyboard d. None of these Q.21- \_\_\_\_ principle of object oriented programming promotes reusability a. Encapsulation b. Inheritance c. Abstraction d. None of these Q.22- The function is used to receive the next token from Scanner object which can be expressed as an integer and stores an integer typevalue. b. setInt() a. getInt() c. nextInt() d. none of these It is a type of error that occurs at runtime when the compiler does not respond properlywhile executing a statement. a. syntax error b. runtime error c. logical error d. none of these This function is used when you want to terminate execution at any instance of the program. a. System.exit(0) b. System.in() c. System.out() d. None of these

d. none of these

	뭐 없어야 하시네요. 나라	does IVMa
O.25-	Thousand	What does JVMstands for?
~	The statement terminates the entire	Q.33- Java Virtual Machine
	100p (i.e.) all the forthcoming	1 Java visual Maal.
	iterations of the loop.	c. Java visual mechania
	a. switch statement	d. None of these
	b. break statement	which of the below or
	c. continue statement	Which of the below sequence/order is correct for the data type in
	d. none of these	increasing order?
Q.26-	This operator works on the principle	of their size
	'CHANGE AFTER ACTION'.	float byte int 1
	a. prefix increment	a. float, byte, int, boolean
	b. postfix increment	b. boolean, byte, int, double
	c. both (a) and (b)	c. float, double, boolean, int
	d. none of these	d. none of these
O 27-	the state of the s	Q.35- The default value of integer data type
Q.2/-	The high level language is referred	is:
	to as the source code.	a. 1
	a. source code	b. 0
	b. byte code	c. false
	c. long code	d. none of these
1	d. none of these	Q.36- Which of the following is not a
Q.28-	It specifies the size and type of values	branching statement?
	that canbe stored.	a. for
	a. object type	b. switch
	b. class type	c. if-else
	c. data type	d. none of these
	d. none of these	Q.37- Which of the below loop always
Q.29-	Programs written in Java are compiled	executes at least once?
* a '	for conversion to an intermediate code.	
	a. object code	a. while
	b. byte code	b. do while
	c. machine code	c. for
	d. none of these	d. none of these Q.38- What is the output of the below?
Q.30-	This function is used to input a	네트 보통하는 사람들은 이번 사람들은 사람들은 사람이 되었다. 그런 그는 그는 그를 보고 있는 것이 되었다. 그는 그를 보고 있다.
	character:	for( $i = 'a'$ ; $i <= 'c'$ ; $i++$ )
	a. charAt(0)	System.out.print(i);
	b. next().Character(0)	a.abc
	c. next().charAt(0)	b. abc
	d. none of these	c. 97 98 99
Q.31-	It is a type of error that occurs at	Q.39. What is the output of the below?
	runtime when the compiler does not	
	respond properlywhile executing a	for $(i = 1; i <=5; i++)$
	statement.	continue;
	a. syntax error	System.out.print(i);
	b. logical error	a. 1 b. 122 (5
	c. runtime error	b. 12345
	d. none of these	c, 5
Q.32-	What encapsulates data and	Q.40. d. none of these In nested loop, outer loop gets Chatement is:
	functions?	In nested loop, outer loop gent is: terminated first. This Statement is:
	a. Constructor	aa
	b. Class	a. true b. falso

c. Objectd. None of these

b. false

c. may be d. none of these

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Q.49- Give the output of the following
Q.41- How many times will the below
                                                           expression
       nested loop run?
                                                           a+ = a++ + ++a + --a + a--, a = 7
       for(int i = 1; i \le 2; i^{++})
                                                           a. 39
       for(int j = 1; j \le i; j++)
                                                           b. 42
       System.out.print(j);
                                                           c. 36
        a. 2
                                                           d. none of these
                                                    Q.50- What is the value of y after the
        b. 0
        C.
                                                           execution?
        d. none of these
Q.42- Which of the below methods is used
                                                           y-=++y+y--+--y when y=8
                                                           a. 33
        for reading a sentence?
                                                           b. 38
        a. nextline()
                                                           c. 36
        b. nextLine()
                                                           d. none of these
        c. next()
                                                    Q.51- System.out.println(Math.rint(-9.4) -
        d. none of these
Q.43- What is the output of below statements?
                                                           Math.sqrt(9.0)
System.out.print(Math.sqrt(Math.pow(3,2)));
                                                           a. -5.0
                                                           b. -60
        a. 3
                                                           c. -7.0
        b. 9
                                                           d. none of these
        c. 3.0
                                                    Q.52- System.out.println(Math.max
        d. none of these
                                                           (Math.ceil(14.55), 15.5)):
Q.44- Result of Math.floor(-5.6) is:
                                                          a. 15.5
        a. 5.0
                                                          b. 14.5
        b. -5.0
                                                          c. 16.5
        c. 6.0
                                                          d. none of these
        d. none of these
Q.45- Which of the below condition for a
                                                    Q.53- System.out.println(Math.sqrt
                                                          (Math.min(42.5, 42.25)));
        loop is syntactically incorrect?
                                                          a. 3.5
        a. while(i > 5)
                                                          b. 4.5
        b. while(i!>5)
                                                          c. 6.5
        c. while (i < 5)
                                                          d. none of these
        d. none of these
                                                    Q.54.- System.out.println(Math.ceil(3, 4)
Q.46- Find the output if a = b + c + ++b,
                                                          + Math.pow(2, 3));
        where b = 30 c = 40
                                                          a. 9.0
        a. 101
                                                          b. 10.0
        b. 100
                                                          c. 12.0
        c. 102
                                                          d. none of these
        d. none of these
                                                    Q.55- int m = 3, n = 5, p = 4;
Q.47- What will be the final value of j and
                                                          if(m == n) && (n!= p)
        k, if j = 9, k = 5?
        k += k++ - ++j +k
                                                          System.out.print(m*n);
        a. 106
                                                          System.out.print(n%p);
        b. 115
           127
                                                          if (( m!=n) | | (n == p))
        C.
        d. none of these
Q.48- If int y = 10 then find
                                                          System.out.print(m+n).
        int z = (++y * (y + ++5))
                                                          System.out.print(m-n),
        a. 150
        b. 165
                                                                             b. 8 -1
                                                                -1
                                                                             d. none of these
                                                             7
           187
        c.
                                                                -1
        d. none of these
                                                             3
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Q.56- A constant which gives the exact representation of data is called:	Q.65- A floating point number contains
[1] [1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	a. integer part only
a. variable b. literal	h fractional part out
c. identifier	c. both integer and fractional both
d. character	d. none of these
O 57 ACCII codes of upper case alabas	
Q.57- ASCII codes of upper case alphabets	Q.66- How many types of primitive data types exist in Java?
ranges from : a. 65 - 90	types and the java:
b. 60 - 85	0. 3
04 04	
그는 사람들이 가장 그렇게 그렇게 되었다. 그런 그는 그를 모르는 것이 되었다.	Q.67- The size of variable of type char is
d. none of these	a. 1 byte
Q.58- What type of a value is returned by	b. 1 bit
Sqrt function?	c. 1 nibble
a. int	d. none of these
b. float	20 1 N T 1 N
c. double	Q.68- Which of the following are legal
d. none of these	identifier?
Q.59- The words which are preserved with	a. 3count
the system are called words,	b. a + b
which are not used as variable names	c. \$sum
in Java programming.	d. none of these
a. reserved key	Q.69- Which of the following variable
b. normal key	declarations would not compile in
c. identifier	Java program?
d. none of these	a. int VAR;
2. 60- A set of character is assigned to:	b. int var_1;
a. string variable	c. int 1_var;
b. static variable	d. none of these
c. boolean variable	Q.70- Data abstraction is a process of :
d. none of these	a. binding data in a single unit
.61- The statement n+ = 4 is equivalent to:	b. binding data and functions in a
a. ++n	single unit
b. $n = n + 4$	c. extracting data from an object
c. n+1	d. none of these
d. none of these	Q.71- Encapsulation is a process of :
.62- The character type of constant is	
placed within	a. binding data in a single unit
a. double quotes	b. binding data and functions in a
b. single quotes	single unit
c. paranthesis	c. extracting data from an object
d. none of these	d. none of these
그렇게 그는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	Q.72- What is bytecode in the context of
.63- Which of the following is used for	lava
newline character ?	Java?
a. \n	a. The type of code generated by a
b. \a	java compiler
c. \r	b. The type of code generated by a
d. \s	
64- The size of double data type is	java virtual machine.
a. 8 bytes	c. It is another name for a java source
b. 4 bytes	IIIe
c. 6 bytes	d. none of these
d. none of these	aicse
	rai - 이 다리 이 남이 다른해야 한테니다이다. 이 경기 - 크린 남이 다

And the second s Q.73- Java is a/an \_\_\_\_. a. Procedural programming language b. Structured programming language c. Object oriented programming language d. none of these What is the meaning of JDK? Q.74a. Java Development Kit b. Java Data Kit c. Java Document Kit d. None of these Q.75- The Java compiler: a. creates executable file b. does the packaging c. translates Java source code to bytecode d. none of these Q.76- Which of the following is correct usage in Java? a. static public void main(String args[]) b. public static void main(String args[]) c. public void main(String args[]) d. none of these

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Fill in the blanks with appropriate code for proper working of the function arm(). The function will receive a number and check whether the number is an Armstrong number or not and display message accordingly. (Armstrong Number is a number whose sum of cubes of the digits is equal to the number Ex: 153 = 13 + 53 + 33class Armstrong public static void main(int n) int t = n, c = 0, d, i, a; while(t!=0) t = t/10: while(\_\_\_\_\_\_?78?\_\_\_\_) d = a%10; x = (int)Math.\_\_\_\_\_?79?\_\_\_\_(d,c);  $s = s + ____;$ a = a/10; $if(s == __?81?__)$ System.out.println("Armstrong no"); System.out.println("Not Armstrong no"); b. c--Q.77- a. c++ d. none of these c. c%10 Q.78- a. a == 0b. a! = 0d. none of these c. a < 0Q.79- a. pow b. sqrt d. none of these c. cbrt Q.80- a. d

d. none of these

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