GREENLAWNS SCHOOL, WORLI
TERMINAL EXAMINATION
COMPUTER APPLICATION

STD : IX   **MARKS : 100**

Date :-3/10/23   **TIME :** 2 Hrs

Answer to this paper must be written on the paper provided separately. You will not be allowed to write during the first 15 minutes. This time is to be spent in reading the question paper. The time given at the head of the paper is the time allowed for writing the answers.

*This paper is divided in to two Sections. Attempt **all questions in Section A** and **any four questions from Section B.** The intended marks for the questions or parts thereof are given in brackets([ ]).*

Section A (**40** marks)
(Attempt all questions)

Question 1

Choose the correct answer and write the correct option.   [20]

1) Who developed Java?

    a) James Gosling
    b) Robert James
    c) Bjarne Stroustrup
    d) None

2) If(a < b && a < c)

    a) a is the greatest number
    b) a is the smallest number
    c) b is the greatest number
    d) none (where a, b and c are three integer numbers)

3) The process of combining data and functions that enables them to be together as a single entity is called

    a) inheritance
    b) encapsulation
    c) classification
    d) attributes

4) Which among the following is not a logical operator?

    a) &&
    b) ||
    c) !

d) <=

5) Which of the following type is an exact representation of fractional values?

a) char
b) double
c) byte
d) String

6) A word used in a high level language which has a special meaning attached to it is called

a) Class
b) Identifier
c) Keyword
d) Literal

7) If int a = 25, b = 5, c = 0; what value is stored in c? When c = a % b;

a) 5.0
b) 5
c) 0
d) none

8) double c;
     int x, y, z;
     x = 5; y = 10; z = 11;
     c = x*y+z/2;
     The value stored in c is:

a) 55.0
b) 55.5
c) 55
d) none

9) An object is represented by two attributes, out of which one is characteristics and the other one is _____.
a) Behaviour
b) Situation
c) Abstraction
d) Encapsulation

10) Which among the following creates a blueprint to represent characteristic and behaviour of an object?

a) Object
b) Class
c) Instance
d) None of these

11) Which among the following is a valid class name?
   a) Simple Interest
   b) 1SimpleInterest
   c) SimpleInterest
   d) Simple@Interest

12) Which among the following is not a Token?

   a) Keywords
   b) Literals
   c) Identifiers
   d) Data Type

13) The && operator requires which among the following conditions to be satisfied to represent a success for two relations?

   a) Both should be satisfied

   b) Any one should be satisfied.

   c) None of them are satisfied.

   d) None of these

14) Which among the following operators is used to check the two operands are equal or not?

   a) Equals

   b) =

   c) ==

   d) None of these

15) Which among the following is not a relational operator?

   a) <=
   b) >
   c) !=
   d) /

16) JVM stand for

   a) Java virtue machine
   b) Java virtual machine
   c) Java visual machine
   d) None of above

17) Relational operator are of _____ types

    a) 6

    b) 5

    c) 7

    d) None of these

18) When java source code is compiled a file is created called _____

    a) Compiler

    b) Applet

    c) Program

    d) Byte code

19) int type data type in size is _____ byte

    a) 1 byte

    b) 2 byte

    c) 4 bype

    d) None of these

20) Double type data type in size is _____ byte

    e) 1 byte

    f) 2 byte

    g) 4 bype

    h) 8 byte

Question 2

State the difference of the following: [10]

a) = and ==.
b) int and long
c) switch case and if else
d) / and %
e) Compiler and interpreter

Question 3   [10]

a) What is the purpose of default in a switch?
b) What is the import of break command in switch case?
c) Explain object.
d) Explain poymorphism?
e) Give the syntax of switch case.

Section– B (60 marks)

(Attempt any four questions from this section. The answers in this section should consist of the program in Blue J environment with java.)

Question 4

Input number of days and convert them into year , month and days.

Note(assume all month of 30 days) [15]

Question 5

Wrtie a program to input no of units consume and   calculates telephone bill of a consumer

having the following criteria: [15]

No. of Units consumed	Rate in Rs.
First 100 Units	Only monthly rental
Next 100 units	Rs. 0.60/ Unit
Next 100 units	Rs. 1.0/Unit
Above 300	Rs 1.5/Unit

Question 6

Input week days in numbers and display the week of the day. If choice is wrong then display proper message. Using switch. [15]

Question 7

Write a program to accept marks in Physics, Chemistry and Biology. The program calculates the average and displays the stream accordingly: [15]

Average Marks	Stream
80% and above	Computer Science
60% or more but less than 80%	Bio-Science
40% or more but less than 60%	Commerce

Question 8

input a number and check whether [15]

it is divisible by 2 and 5

it is divisible by 2 but not 5

it is divisible by 5 but not 2

it is not divisible by2 and 5

Question 9

Input salary of the employee and calculate the following

Hra   25 % of salary

Da   12 % of salary

con   10 % of salary

Pf   15 % of salary

Gross= hra+da+con

Net= gross-pf

Display the above information