GREENLAWNS HIGH SCHOOL
TERMINAL EXAMINATION YEAR 2021-2022

STD VIII A,B,C   SUB : COMPUTER SCIENCE

TIME : 1 HOUR   MARKS : 40

PLEASE NOTE:

- *ALL ANSWERS TO BE WRITTEN IN THE SCHOOL COMPOSITION SHEET ONLY.*
- *ON EACH SIDE OF THE COMPOSITION SHEET WRITE YOUR NAME, ROLL NO. STD AND DIVISION.*
- *YOU WILL NOT BE ALLOWED TO WRITE DURING THE FIRST 10 MINUTES. USE THIS TIME TO READ THE PAPER CAREFULLY.*
- *WRITE CONCISE ANSWERS USING TECHNICAL TERMS.*
- *LEAVE A LINE AFTER ANSWERING EVERY QUESTION.*
- *THE ANSWER SHEET MUST BE CONVERTED INTO A CLEAR PDF*
- *RENAME YOUR PDF AS YOUR ROLL NO. NAME SUBJECT*

   (EXAMPLE 50 GANESH JAIN C.SC)

Q1. Fill in the blanks (Do not copy the questions)   [6]

   a) The true and false literals are both _____ literals.
   b) Simple data types are also known as _____ or _____ data types.
   c) If *a* is of int data type and *b* is of float data type what would be the resultant data type of *a+b*?
   d) Largest value of int data type is _____.
   e) The mathematical operator used to perform exponentiation is excel is _____(sign).

Q2. Identify the mistake in each of these lines and correct it: [6]

   a) System.in.println("My name is computer science")
   b) Float a=12.3;
   c) String s= 'Green'
   d) doubles d=15:
   e) Integer 15=a;
   f) Char z= "G";

Q3. Convert the following Mathematical Expressions to Java

Expressions. [5]

a) A+B+C ÷ AB
b) $\sqrt{a^2 + b^2}$
c) AB+BC+CA
d) 2πr
e) a³+b³+c³

Q4. Write the result after evaluation(show working also) [3]

a) C= ++a + a- - + b++ + ++b   (a=2, b=4)
   Write the value of C, a and b after evaluation
b) X= --y + y++ - ++y + y--   (y=10)
   Write the value of X and y after evaluation

Q5. Answer the following questions:

a) Write two uses of having a chart for representing data. [2]
b) Write the difference between single user operating system
   and multi-user operating system.(2 points)   [2]
c) Explain = and == operator with example.   [2]
d) Differentiate between Float and Double data type with
   respect to number of digits of precision.   [1]
e) Explain any two features of Excel.   [2]
f) What is the shape of pointer in MS WORD and MS EXCEL?[1]

Q6. Unscramble the following words to get meaningful

technical words. [5]

a) SPACYBCERE
b) OPSOESRCR
c) CALGOLIC
d) IMFOCTORS
e) STONKE

Q7. Write codes/formula for the following: [5]

a) Declare an integer variable m and n and initialise them with 50 and 100 respectively.

b) Divide 10 by 2 and store the remainder in s.

c) Assign the average of three subject marks in average.

d) Declare a decimal variable with lower precision and initialise it with 60.54

e) Write the formula in Excel to find the maximum in cells from B50 to B100.

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