ST. LAWRENCE HIGH SCHOOL

THIRD TERM TEST – 2018
CLASS – VIII

F.M. - 75
DATE -01.11.2018

SUBJECT – COMPUTER SCIENCE_SOLUTION
DURATION – 2 HOURS

GROUP - A

1) **Choose the correct option :**   (5X1=5)

   i) **Example of primary memory is:**

   (a) <u>RAM</u>   (b) Hard Disk   (c) Both (a) & (b)   (d) None of these

   ii) **Data type for character type data is:**

   (a) <u>char</u>   (b) c   (c) ch   (d) None of these

   iii) **To add a blank line space in HTML, we use the tag**

   (a) <u>\
</u>   (b) \<HR>   (c) \<LINE>   (d) None of these

   iv) **To declare a variable in VB, we use**

   (a) STRING "A"   (b) INPUT BOX   (c) <u>DIM Age As Integer</u>   (d) None of these

   v) **Which of the following is a news group?**

   (a) Skype   (b) Gmail   (c) <u>A blog</u>   (d) None of these

2) **State TRUE or FALSE:**   (5X1 = 5)

   i) A class is a blueprint for variables ---- <u>FALSE</u>
   ii) Close box of Turbo C++ editing page closes all the programs --- <u>FALSE</u>
   iii) A complete set of field is called a record --- <u>TRUE</u>
   iv) The most common chat medium is IRC --- <u>TRUE</u>
   v) PS acronym stands for Pre Script --- <u>FALSE</u>

3) **Fill in the blanks :**   (10X1=10)

   i) <u>Wifi</u> is a high speed wireless technology that connects devices with the help of radio waves.
   ii) URL stands for <u>Universal Resource Locator</u>

   iii) In most browsers, the width of the text field is <u>20</u> characters by default.
   iv) The <u>Lasso</u> is a selection tool to select objects by forming a free – form line around them.

v) The VB project file has a/an .vbp extension.
vi) dim Control command is used to declare variables.
vii) C++ is machine independent language.
viii) cout is the standard output stream that directs to the output screen.
ix) A single piece of information is known as a field
x) A newsgroup is like a discussion group where people post information on a particular topic.

GROUP – B

4) Answer the following(ANY 10):   (10X2=20)

i) What is an emoticon? Give example.
A: An emoticon is a symbol or a combination of symbols that we can use to express an emotion in a message.
E.g: Smiley face :-) and frowny face :-(

ii) What does the acronyms DIY & ASAP stands for?
A: DIY – Do It Yourself
ASAP – As Soon As Possible

iii) What data types would be assigned for the following fields:
(a) Profit
(b)Typing Names
iv) What is a database? Give example.
A: A database is an organized collection of information and records.
A telephone directory and address book are the examples of database.
v) Write the steps to execute a program in C++.
A: 1. Click on Run Menu
   2. Click on Run from the drop down menu
Or, simply press Alt+F5
vi) What are layers in flash?
A: A layer is a transparent sheet like a glass canvas. We can shuffle, move, add or even delete these layers.
vii) What is the utility of pen tool in flash?
A: The Pen tool helps us draw : Straight line Segments, Curved Segments and Smooth Flowing curves.
viii) What is timeline?
A: This is the part of the Flash workspace where we can arrange the Flash movie in a sequence. A Flash movie is formed by arranging frames in a sequence over time.
ix) What is the noresize tag used for in frameset?
A: The noresize tag is used to prevent the user from resizing the frames.
x) Write the code in HTML to display the image class.jpeg on your webpage.
A: <img src = "class.jpeg>
xi) Give 4 examples of input devices.
xii) How many types of printers are there? Which one of them is the fastest and of best quality?
A: Dot matrix, Inkjet, Laser.
Laser printer is the fastest and of the best quality.

5) **Answer the following: (Any 7)**   **7X5 =35**

i) Write a program in C++ to multiply two user given numbers.   **(5)**

A:
```cpp
#include<iostream.h>
void main()
{
  int a, b;
  cout<<"Enter 1st Number: ";
  cin>>a;
  cout<<"Enter 2nd Number: ";
  cin>>b;
  cout<<a*b;
}
```

ii) Write a program in C++ to find out perimeter of a square after accepting length of square from the user.   **(5)**

A:
```cpp
#include<iostream.h>
void main()
{
  int l, p;
  cout<<"Enter length of square: " ;
  cin>>l;
  p = l*l;
  cout<<"Perimeter of square: "<<p;
}
```

iii) What is Netiquette? Mention 4 netiquettes to follow while sending an e-mail. (1+4)

A: While working on the Internet, it is very important that we follow a certain code of conduct. This is referred to as netiquette.

iv) Write a short note on Instant Messenger Chats.   **(5)**

A: These are chat programs that can be used by people who are registered users of the messenger. The most common and popular ones are AOL Instant messenger, yahoo! Messenger, Gtalk etc. Two users who wish to talk to each other, must be using the same Instant Messenger program. All these instant messenger programs are usually free.

v) Discuss the following: Object, Class & Variable   **(1+2+2)**

A: Object: it is an entry that possess some characteristic features. Each object consists of both data and processing operations needed for performing a task.

Class: It consist of objects that share common properties.

Variable: It is a way of referring to a memory location used in a computer program.

vi) Differentiate between Do While & Do Until loop (5)

vii)Describe the main components of a flash window screen (5)

A: Menu, Toolbar, Timeline, Stage, Panels.

viii) Name the different types of frames. (5)

A: Blank Keyframes, Keyframes with content, In between frames, Playhead, End of Keyframe span, Frame rate, Current Frame.

ix) Write a short note on GPS. (5)

A: This stands for Global Positioning System. A GPS system involves a receiver that receives and transmits signals through a satellite. It is primarily used for locating the position or location of the user. The GPS system is used in many fields of study like navigation, vehicle tracking system, mapping and survey.

***