KENDRIYA VIDYALAYA VAYUSENA NAGAR NAGPUR
CLASS- XII B
SUBJECT: COMPUTER SCIENCE
HOLIDAY HOME WORK

1. Differentiate between the formal parameters and actual parameters with suitable C++ code to illustrate both.
2. Differentiate between local variables and global variables? Also give a suitable C++ code to illustrate both.
3. Write a program to invokes a function calc() which intakes two integers and an arithmetic operators and prints the corresponding result.
4. Write a C++ Program to enter number upto 4 digit and print it in words. (for ex – if 123is entered then ONE TWO THREE should be printed)
5. Write a C++ functions that converts a 2-digit octal number into binary number and print the binary equivalent.
6. Differentiate between call by value and call by reference with an example?
7. Differentiate between entry controlled and exit controlled loop.

8. Write about object oriented programming concepts?

9. What do you understand by default arguments and constant arguments?

10. Define and initialize a table of names of months of the year and the number os days in each month, using an array of structures, each structure holding the name of a month and the number of days in it.

11. How does a class enforce data-hiding, abstraction and encapsulation?

12. What do you understand by polymorphism? Give a suitable example.

13. What is the difference between # define and const? Explain with suitable example.

14. Out of the following, find those identifiers, which cannot be used for naming variables, constants and functions in a C++ program:
    Total*Tax, double, Case, My Name, New, switch, Column31, _Amount

15. What is object oriented programming? How is it different from procedural programming?

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KENDRIYA VIDYALAYA VAYUSENA NAGAR, NAGPUR
CLASS- XII A/D
SUBJECT : INFORMATICS PRACTICES
HOLIDAY HOME WORK

Que No 1:

a. Tara Nathani wants to upload and download files from/to a remote intenet server, write the name of the relevant communication protocol, which will let her do the same.

b. Two doctors in the same room have connected their Palm Tops using Bluetooth for working on a Group presentation. Out of the following, what kind of Network they have formed?

   LAN, MAN, PAN, WAN

c. Arrange the following communication channels in ascending order of their data transmission rates.

   Ethernet Cable, Optical Fiber, Telephone Cable, Co-axial Cable

d. Which of the following is not a characteristic of Open Source Software?
   • Its source code is available for modification
   • It is owned by a company or an individual
   • It can be downloaded from internet

e. Jai Khanna is confused between the terms Domain Name and URL. Explain the difference with the help of appropriate examples of each.

f. Define any two threats to Network Security.

g. Differentiate between Star and Bus Topology of networks.

Que No 2:

a. While working in Netbeans, Rajmeeta included a Listbox in the form. Now she wants the list of her friends' names to be displayed in it. Which property of Listbox control should she use to do this?

b. What is the purpose of default clause in a switch statement?

c. Write a function in java that takes two numbers two numbers as input from textfields and displays their sum.

d. Write program to change font color and font style of entered text. Use radio buttons for color and check box for styles (bold, italic, underline, plain).

e. Write a program to check whether a number is Armstrong or not.

f. Enter marks of 3 years of MCA students that is of six semester's out of 600. Find their total and percentage of student

g. Write a program to convert lower case to uppercase and uppercase to lower case characters using two different buttons.