# **PRITHWI SECONDARY BOARDING SCHOOL** Basundhara, Kathmandu, Contact: 01-5904816

**ANNUAL EXAMINATION - 2077**

**Grade: IX Full Marks: 50**

**Subject: Computer Science Pass Marks: 20**

**Time: 1 hour and 30 minutes**

**1) Select the best option. [6]**

a) Which is the first microprocessor.

1. Intel 4002
2. Intel 4004
3. Intel 4006
4. Intel 4008

b) \_\_\_\_\_\_\_ can print large size of graphs, drawings, blueprints and charts.

1. Printer
2. Plotter
3. Both (i) and (ii)
4. None of them

c) A HTML tag is enclosed with.

1. []
2. ()
3. {}
4. <>

d) Software that translates program written in high-level language into machine language line by line.

1. Assembler
2. Interpreter
3. Compiler
4. None of them

e) The syntax of comment tag is \_\_\_\_\_\_\_.

1. <REM>
2. <!--Comment-->
3. <comment></comment>
4. //Comment

f) \_\_\_\_\_\_\_ is available in source code form at free of cost.

1. OSS
2. OS
3. Device Driver
4. None of them

**2) Fill in the blanks. [6]**

a) Software is an organized collection of \_\_\_\_\_\_\_.

b) The <TITLE> tag is used within \_\_\_\_\_\_\_ tag.

c) \_\_\_\_\_\_\_ converts sound waves into electrical signal.

d) \_\_\_\_\_\_\_ software performs maintenance work on the computer system.

e) HTML is the language developed by \_\_\_\_\_\_\_ in 1990 at CERN.

f) A \_\_\_\_\_\_\_ is the specific set of instructions written in programming language.

**3) Write either True of False. [6]**

a) <HR> is a container tag.

b) A set of organized software is known as instruction.

c) Pseudo code uses plain English statements rather than symbols.

d) A standard computer keyboard is called a QWERTY keyboard.

e) The act of combining two or more strings is called string concatenation.

f) A variable can only hold one value at a time.

**4) Write technical term for the following. [6]**

a) The software that is designed for general user for common purpose.

b) The physical components that make up the entire computer system.

c) A step-by-step solution to a problem prepared using a plain English language.

d) An organized collection of programs.

e) The electronic version of an output stored in computer memory.

f) A set of sequential instructions prepared in programming language.

**5) Write the full form. [6]**

a) EEPROM

b) OSS

c) ATM

d) LED

e) RAM

f) CAM

**6) Convert [2]**

a) (10110)2 to decimal.

b) (101)10 to binary.

**7) Perform binary calculation [2]**

a) (1011)2 + (1010)2

b) (1001)2 \* (101)2

8) Describe any 5 text formatting tags. [3]

9) Define the term "Program Development Cycle". Mention its steps. [3]

10) Write an algorithm to find the area of rectangle. [3]

11) Perform dry run and write the output of the following program. [3]

CLS

P=1

N=1

DO

PRINT N;

N = N + P

P = p + 1

LOOP UNTIL P > 7

END

12) WAP to print grades according to percentage using select case statement. [4]

*Best Wishes!!!*