

PRITHWI SECONDARY BOARDING SCHOOL

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ANNUAL EXAMINATION - 2077

Grade: IX

Subject: Computer Science

Time: 1 hour and 30 minutes

Full Marks: 50

Pass Marks: 20

1) Select the best option.

[6]

a) Which is the first microprocessor.

- | | |
|----------------|-----------------|
| i. Intel 4002 | iii. Intel 4006 |
| ii. Intel 4004 | iv. Intel 4008 |

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

- | | |
|-------------|------------------------|
| i. Printer | iii. Both (i) and (ii) |
| ii. Plotter | iv. None of them |

c) A HTML tag is enclosed with.

- | | |
|--------|---------|
| i. [] | iii. {} |
| ii. () | iv. <> |

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

- | | |
|-----------------|------------------|
| i. Assembler | iii. Compiler |
| ii. Interpreter | iv. None of them |

e) The syntax of comment tag is _____.

- | | |
|--------------------|--------------------------|
| i. <REM> | iii. <comment></comment> |
| ii. <!--Comment--> | iv. //Comment |

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

- | | |
|--------|--------------------|
| i. OSS | iii. Device Driver |
| ii. OS | iv. 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 or 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 | c) ATM | e) RAM |
| b) OSS | d) LED | 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!!!