**Second Terminal Examination - 2074**

**Class:- 8 Time:- 1:30 hrs. F.M:- 50**

**Subject:- Computer Science** **P.M:- 20**

**Candidates are required to give their answers in their own words as far as practicable. Credit shall be originality, not rote learning.**

**(Group A)**

**Computer Fundamental (21 marks)**

1. **Answer the following Questions: [5 x 2=10]**
2. What is the working principle of a computer?
3. Write any two features of first generation computer?
4. What is Software? Give any two examples.
5. What is Analog computer? Give any two examples.
6. List out the elements of multimedia.
7. **a) Convert as instructed: [3 x 1=3]**
8. 6358 into Binary iii) 1101102 into Decimal
9. 51010 into Binary

**b) Perform binary calculation: [2 x 1=2]**

i) 10110 + 1011 ii) 1110 X 101

1. **Write the Technical terms of the following statements: [4 x 0.5=2]**
2. A set of programs that controls and manages the overall operations of a computer.
3. A computer that can perform only a specific task.
4. The main electronic component of third generation’s computer.
5. The combination of analog and digital computer.
6. **State whether the following statements are true or false. [4 x 0.5=2]**
7. Utility software takes care and maintains a computer.
8. A digital computer measures the physical values.
9. Mark- I contained 5600 vacuum tubes.
10. A computer cannot do work by itself.
11. **Write full forms of : [4 x 0.5=2]**
12. VLSIC ii) DVD iii) ASCC iv) ROM
13. **Write the output of the given program: 2**

CLS

LET L= 12

LET B = 8

LET AREA= L\*B

PRINT “Area of rectangle is=”: AREA

END

1. **Re-write the given program correcting the bugs. 2**

CLS

INPUT “Enter the radius” R

CONST PI=3.1415

AREA = Pie \*R^P

PRINT “Area of circle=”;A

END

1. **a) A box is 12 m long, 8 m wide and 6 m tall, write a program to calculate volume of the box. 3**

**b) Write a program that accepts principal amount, number of years, and rate of interest. This program displays simple interest. 3**

**c) Write a program that accepts temperature in Fahrenheit and display equivalent temperature in Celsius. [hint : C=5/9\*(F-32)] 3**

**Best of Luck!!**

**(Group B)**

**HTML (8 marks)**

1. **Write short answer to the following questions. [3 x 1 =3]**
2. What is HTML? C. What is Web site?
3. What is Empty tag?
4. **State whether the following statements are true or false. [4 x 0.5=2]**
5. The largest heading tag is H1.
6. The www is the collection of web servers.
7. Html programming language like C, C++, etc.
8. Tim Burners- Lee is known as the father of web.
9. **Write the HTML Code for following table: [1 X 3=3]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.n** | **Name** | **English** | **Computer** | **Total** |
| **1** | **Gita Dahal** | **60** | **75** | **135** |
| **2** | **Gopal Bhattrai** | **66** | **85** | **151** |

**MarkSheet**

**(Group: C)**

**Operating System ( 5 marks)**

1. **Answer to the following questions. [3 x 1 =3]**

a) List out the two function of OS. b) What is Booting?

c) What is Operating system?

1. **Write the uses of the following commands. [2 x 1=2]**
   1. MD command b. COPY command

**(Group D)**

**Programming (16 marks)**

1. a. What is QBASIC? **1**

b. Draw a truth table of OR operator. **1**

c. What is Variable? **1**