MUNICIPAL LEVEL EXAMINATION 2074

Basic Level (Class: 8)

Subject: Computer Science   **Marking scheme**

Group "A" (Computer Fundamentals) (25 marks)

1. तलका प्रश्नहरुको उत्तर दिनुहोस । Answer the following questions: 5x2=10
   a. System सफ्तवेर भनेको के हो? What is System Software?
   Ans: The types of software which help to control the various functions of the computer system such as loading or unloading any software in main memory, storing new creating files and so on is known as system software.
   b. Antivirus Software भन्नाले के बुझ्नुहुनछ? What do you mean by Antivirus Software?
   Ans: The software that detects and roves viruses form the computer system is called antivirus software.
   c. कुनै दुइवटा कम्प्युटर भाईरसको प्रभाब लेख्नुहोस । List any two effects of computer virus.
   Ans: The effect of the computer virus is as follow:
   1. Programs take a longer time to load.
   2. A change occurs in dates and times of saved files. etc
   d. नेटवर्क प्रोटोकलको बारेमा स्पष्ट पार्नुहोस् । Define computer network protocols?
   Ans: Network protocols are set of rules, which are followed to make communication between computers.
   e. Hybrid computer भनेको के हो ? What is Hybrid computer?
   Ans: A hybrid computer is the computer having the features of both analog and digital computer or combine the power of analog and digital computers is known as hybrid computer.

2. विस्तारित रुप लेख्नुहोस । Write the full forms:4×0.5=2
   a. ALU   b. ABC   c. VDU   d. UNIVAC
   Ans:a. Arithmetic and Logical Unit   b. Atanasoff Berry Computer
   c. Visual Display Unit   d.Universal Automatic Computer

3. **ठिक वा बेठीक छुट्याउनुहोस् । State true or false:**   4×0.5=2
   a. Compiler ले सम्पुर्ण   program लाइ एकैचोटी पारिबर्तन गर्छ । A Compiler translates the whole program at a time.
   b. Blaise Pascal ले आफ्नो भाईलाइ सघाउन Mechanical Calculator को निर्माण गरेका थियो । Blaise Pascal invented a mechanical calculator to help his father.
   c. Software बिना Hardware ले काम गर्न सक्छ । Hardware can work in absence of computer Software.
   d. Ms. Word electronic spreadsheet program होइन। Ms. Word is not an electronic spreadsheet program.
   Ans:
   a. False   b. False   c. False   d. True

4. उपयुक्त एउटा प्राबिधिक शब्द लेख्नुहोस् ।   Write the single technical terms for the following: 4×0.5=2
   a. कम्प्युटरको एउटा प्रोग्राम वा प्रोग्रामहरुको समुह । A program or a set of program of a computer.
   b. Voltage and current को परिधिमारहि कार्य गर्ने साधन ।
   A device that works by measuring voltage and currents.
   c. First generation computer मा प्रयोग गरेको मुख्य अङ्ग (component)।
   The main component used in the first generation computer.
   d. Computer र network संग संलग्न अपराध ।
   Crime that involves a computer and a network.
   Ans:
   a. Software   b. analog
   c. Vacuum Tube   d. Computer Crime

5. Match the following:(जोडा मिलाउनुहोस)4×0.5=2

Group A	Group B
a. Server	i. TCP/IP
b. Protocol	ii. a network within a room
c. Client	iii. The main computer of network
d. LAN	iv. a computer used by a user
	v. a network between different countries

   Ans:

a. Server	i. The main computer of network
b. Protocol	ii. TCP/IP
c. Clint	iii. a computer used by a user
d. LAN	iv. a network within a room

6. निर्देशनमा दिएअनुशार रुपान्तरन गर्नुहोस । Convert the following numbers as indicated: 2x1=2
   a. $(25)_{10}=(11001)_2$ b. $(11100)_2=(28)_{10}$

7. बाइनरी हिसाब गर्नुहोस ।Perform the following binary operations: 2x1=2
   a. $1101_2+1011_2= 11000$ b. $10101_2-1001_2 =1100$

8. खाली ठाँउ भर्नुहोस । Fill in the blanks: 6×0.5=3

a. .... computer ले डाटालाई 0 र 1 को मद्दताबाट प्रकिया पुरा गर्छ ।
.... computer processes the data with the help of 0 and 1.

b. .... भएको disk मा भाइरसले प्रभाव पार्न सक्दैन ।
Computer Virus do not infect files on .... disk.

c. Server नेटवोर्कको .... कम्प्युटरको हो ।
A server is the .... computer of a network.

d. Ms. Word मा Ctrl+S .... को लागि गरिन्छ ।
Ctrl+ S is used for .... in Ms. Word.

e. MIN() को प्रयोग गरि क्रमको सबैभन्दा .... अङ्क निस्किन्छ ।
MIN() returns the .... number in a series of numbers.

f. दुइवटा कम्प्युटरबिच ....ले साम्बन्ध स्यापना गराउछ ।
A .... makes a physical connection between two different computers.

Ans:

a. Digital   b. Write protected   c. main
d. save   e. smallest   f. Network Interface card

Group B (HTML) (10 marks)

9. तलका प्रश्नहरुको उत्तर दिनुहोस् । Answer the following questions: 2×2=4

a. कुनै एक उदाहरण सहित singular tags लाइ स्पष्ट पार्नहोस् ।
Define singular tag with any one example?

Ans: A tag is said to be a singular tag if it doesn't have a closing tag. For example: <br> tag.

b. Attributes भनेको के हो ? कुनै एउटउ body tag मा प्रयोग गरि उदाहरण दिनुहोस् ।
What are attributes? Give any one example of attribute used in body tag.

Ans: Attribute are the other properties of the tags which are used to provide additional information to the browser. For example <body bgcolor="red">

10. **सही उत्तर छन्नुहोस् । Select the correct answer:**   **6×0.5=3**

a. <font ......=10 color="Green">
i. align   ii. height   iii. size   iv. none of them

b. <p ....=Center.>

i. align	ii. type	iii. size	iv. width

c. <......> Making text bold

i. <bold>	ii. <body>	iii. 	iv. None of them

d. <........ type="a">

i. <ul type="a">	ii. <ol type="a">	iii. <al type="a">	iv. <bl type="a">

e. <..........> For italic <........>

i. <e> for italic </e>	ii. <it> for italic </it>	iii. <i> for italic </i>	iv. None of them

f. <........> center < ....>

i. <c> center </c>	ii. <e> center </e>	iii. <middle> center </middle>	iv. <center> center </center>

Ans:

a. size	b. align	c. None of them
d. <ol type="a">	e. <i> for italic </i>	f. <center> center </center>

11. तलका लागी HTML tag लेख्नुहोस् । Write HTML tag for the following: 6×0.5=3

a. Write H_2O (using subcrip tag)
H₂O

b. To displayed on the title bar
<title>text </title>

c. To break line

d. For horizontal line
<hr>

e. For Bold
<B> text </B>

f. To end paragraph and start a new one.
<p> paragraph </p>

Group C (Programming) (15 Marks)

12. तलका प्रश्नहरुको उत्तर दिनुहोस् । Answer the following questions: 2×1.5=3

a. MID$() function के उदेश्य र syntax लेख्नुहोस् ।
Write the purpose of MID$() function with syntax.

Ans: MID$ function extracts the specified number side of characters from the give position of the string counting from the left side.
syntax: MID$(STRING, POSITION, NUMBER)

b. Numerical variable को व्याख्या गर्नुहोस् ।
Explain the Numerical variable.

Ans: A variable that i used to store positive or negative numbers is called numeric variable.

13. निम्न लिखीत प्रोग्राममा भएका त्रुतीको पहिचान गरि सच्याएर पुन लेख्नुहोस् ।

Debug the following program.2
```
REM To check positive or negative number.
Clear
INPUT "Enter Number :"; N$
IF N>0 THEN
PRINT "Number IS POSITIVE"
ELSE
PRINT "NUMBER IS GREATER THAN ZERO"
STOP
```
Ans:
```
REM To check positive or negative number.
CLS
INPUT "Enter Number :"; N
IF N>0 THEN
PRINT "NUMBER IS POSITIVE"
ELSE
PRINT "Number is negative"
END
```

14. दिइएको प्रोग्रामको output लेख्नुहोस् । Find the output of the following:2
```
CLS
LET L=25
LET B=20
Area=L*B
Print "Area of rectangle is "; Area
END
```
Ans: Area of rectangle is 500

15. दिइएको प्रोग्रामको अध्ययन गरि सोधिएका प्रश्नहरुको उत्तर दिनुहोस् । Read the following program and answer the following questions:2x1=2
```
CLS
A$="NEPAL"
ADD$="KATHMANDU"
PRINT RIGHT$(A$,3)
PRINT LEFT$(ADD$,4)
END
```
a. माथिको program मा प्रयोग भएका variables हरु लेख्नुहोस् ।
   Write the variables used in the above program.
b. माथिको प्रोग्रामको output लेख्नुहोस् ।
   What is the output of above program?
Ans: a. A$, ADD$
b.   EPAL
     KATH

16. निम्न लिखितको लागि Qbasic मा प्रोग्राम लेख्नुहोस् ।
    Write Qbasic program for the following program. 2x3=6
a. दुइवटा अङ्क input गरी तिनिहरुको योग (sum) निकाल्ने program ।
   To input two different numbers and find the sum. sum=n+m.
b. Input गरेको अङ्कलाई 3 ले भाग जान्छ कि जाँदैन थाहापाउने program ।
   Input a number and check whether the number is divisible by 3 or not.
Ans:
a. ans:
```
CLS
INPUT "Frist Number"; n
INPUT "Second Number"; m
sum=n+m
PRINT "Sum of square is :"; sum
END
```
b. ANS
```
CLS
INPUT "Any number" ; N
 IF N MOD 5=0 THEN
PRINT "     The number is divisible by 5"
ELSE
PRINT "The number is not divisible by 5"
END IF
END
```
                            Best of Luck