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Class:- 8

1a
ans   Software is an collection of programs.
        Program is an collection of instructions.

b
ans   Computer generation refers to the development
        of the technology used in manufacturing of the
        computers.
            Any two unique features of third generation
        of computers are:-
        1 These computers used integrated circuit as their
        main component.
        2 The operating speed was measured in nano
        seconds.

c
ans   Utility software is a software designed to
        perform maintenance work on the computer
        system.
            Device driver is a system software designed
        to interact with computer hardware.

d

ans   A compiler is a program that translates source code into object code.
An interpreter is a program that executes instructions written in a high-level language.

e

ans   Computer is called a dilligence machine because the computer is capable of performing tasks repeatedly at the same speed and accuracy even if it has to carry a complex operation for a long period of time.

3 2
a Analog computer works on continuous signals.
b → The first electronic digital computer is called ABC.
c Intrepreter doesn't create the object code.
d The smal devices with multiple ports are called hub.

4a True
 b False
 c True
 d False

5

SMTP = Simple Mail Transfer Protocol
NOS = Network Operating System
UPS = Uninterruptible Power Source
CAI =

6

a ~~Botting~~ Booting
b UNIVAC-I
c Customized Software
d Folder

7a $(1001)_2 = (??)_{10}$
$= 1 \times 2^3 + 0 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$
$= 1 \times 8 + 0 \times 4 + 0 \times 2 + 1 \times 1$
$= 8 + 0 + 0 + 1$
$= (9)_{10}$

b $(1001 + 111)_2$

$$
\begin{array}{r}
1001 \\
1 \\
\hline
\end{array}
\qquad
\begin{array}{r}
{}^{1}{}^{1}{}^{1} \\
1001 \\
+111 \\
\hline
10000 \\
\end{array}
$$

2 a Footer
b TREE
c Fourth Generation of Computers.
d 4 bits

Group B

1a
ans   A computer virus is a program or piece of
code that is loaded into your computer to
against your knowledge and is designed to
destroy the programs and files inside the
pro computer.
      Any two symptoms of computer virus are:-
1 Frequent crashes
2 frequent pop-up windows

b
ans The structure or pattern of interconnected
computers for sharing data and information
is called network topology.
     The process of storing informating for
data or information from internet to the
computer is called downloading.

c
ans   Any two benefits of computer network are:-
1 It allows to share information and data

between the computers.

2. It makes easy interaction between users.

8
a

a. \
 = It is used to break line.
b. \<p> = It is used for inserting a block of text.
c. \<hr> = It is used for creating horizontal line.
d. \<marquee> = This tag is used to move picture, text or other contents.

3.

Client ⟶ Network computer that utilizes the resources of other network computers

URL ⟶ address of particular information on the internet.

NIC ⟶ card that physically makes the connection between the computer and the network cable.

E-commerce ⟶ The process of doing busines through Internet.

Group C

1a

ans. The tool is used for making free selection of the image according to the mouse cursor.

b

ans The elements of multimedia are:- audio, video, text and image.

Group D

1 a

ans Algorithm is a equation that organizes data structures in a computer program.

b

ans Variable is a symbolic unique name that occupies space in the computer's ~~name~~ memory for storing data temporarily.

c

ans The purpose of looping is to do a task repeatedly until the results come as we expected.
^same   ^

2

3

CIS
```
INPUT " Enter the number"; A
IF A MOD Z = 0
THEN,
PRINT " Even Number"; A
ELSE
PRINT " Odd Number";
```

```
END IF
END
```

4a
```
CLS
INPUT " Enter length"; L
INPUT " Enter breadth"; b
P = 2 * (L+b)
PRINT " perimeter of rectangle is"; P
END
```

4b
```
CLS
a = 1
FOR i = 2 TO 6
PRINTa PRINT
PRINT a
a = a * 10 + i
NEXT i
END
```

2
```
Output
Sum of natural number is 54
```