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Class : VIII

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Subject : Computer

Final Term Examination

2077

Group A Q.No. 1

2.

Ans: Software is a set of programs that tells the computer what to do and how to do.

Program is a set of instructions to perform a specific task.

6.

Ans: The development of computer technology in five distinct stages is called generation of computer.

The two unique features of third generation of computers are:

- i) The operation speed was measured in nano seconds.
- ii) These generation of computers were based on integrated circuit (IC) technology.

C.

Ans: Utility software is the type of system software designed to that helps to perform maintenance work and provides security to the computer system.

Device driver is also the type of system software that helps the user to interact with computer hardware.

d.

Ans: Compiler is the type of language processor which translates the program written in any language into machine level language at

once.

Interpreter is the type of language processor that translates the program written in any language into machine level language line by line.

e.
Ans: Computer is called diligence machine because it can perform the task repeatedly without loosing its speed and accuracy for a long time.

Q.No. 2

2. The text ~~at~~ that appears at the bottom of every page in a document is called
 - ii) Footer
6. Which of the following is not an internal command?
 - iii) TREE

- c. Computers that used microprocessor as CPU components
iv) Fourth generation of computers

- d. 1 Nibble is equal to
ii) 4 bits

Q. No. 3

- a. Analog computer works on continuous signals.
b. The first electronic digital computer is called ABC.
c. Interpreter doesn't create the object code.
d. The small devices with multiple ports are called hub.

Q. No. 4

- a. Mark-I is the first electro-mechanical computer. True.
b. Application software can run without operating system software. False
c. Distributed operating system is a

model where distributed applications are running on multiple computers linked by communications. \rightarrow True

- d. Secondary memory is not directly accessible to CPU. True

Q. No. 5

SMTP : Simple Mail Transfer Protocol

NOS : Network Operating System

UPS : Uninterruptible power supply

CAI : Computer Aided Instruction

Q. No. 6

- a. The process of starting or resetting a computer.
 \Rightarrow Booting

- b. The first commercial computer that could handle both the numbers and alphabets.

→ UNIVAC - I

c. The software designed to solve a specific problem.

→ Application software

d. A table of contents for a disk.

→ ~~MF1~~ MFT (Master File Table)

Q. No. 7

$$2. (1001)_2 = (?)_{10}$$

→ Here,

$$(1001)_2 = (?)_{10}$$

Now.

$$(1001)_2$$

$$= 1 \times 2^3 + 0 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$$

$$= 1 \times 8 + 0 \times 4 + 0 \times 2 + 1 \times 1$$

$$= 8 + 0 + 0 + 1$$

$$= (9)_{10}$$

Hence,

$$(1001)_2 = (9)_{10}$$

Answer

b. $(1001 + 111)_2$

→ Here,

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

Hence,

$$(1001 + 111)_2 = (10000)_2$$

Answer

Group B

Q. No. 1

a.

Ans: Computer virus is a piece of code designed to harm computer which can create multiple copies of itself.

The two symptoms of computer virus are:

- i) It takes a long period of time to start a computer.
- ii) File or ^{programs} folder may disappear from the computer.

b.

Ans: Network topology is the structure or pattern of interconnected computers for sharing data and information.

Downloading is the process of transferring file or information from a web server to the user's computer.

c.

Ans: The benefits of a computer network are:

- i) It allows exchanging data and software between computers.
- ii) It makes communication easy and fast between different users.

Q.No. 2

2.
 : It is used to break the line in a web page.

6. <p> : It is used to create paragraph in a web page.

- c. `<hr>` : It is used to create a horizontal line in the web page.
- d. `<marquee>` : It is used to move text, picture or other etc contents inside a web page.

Q. No. 3

Column A

Column B

Client → network computer that utilizes the resources of other network computers.

URL → address of particular information on the Internet.

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

E-commerce → the process of doing business through Internet.

Group C

Q. No. 1

2.

Ans: The lasso tool is used for making a free selection over the picture by the help of mouse.

6.

Ans: The elements of multimedia are:

- i) Text
- ii) Animation
- iii) Audio
- iv) Graphics
- iii) Video

Group D

Q. No. 1

2.

Ans: Algorithm is one of the commonly used programming tools, that is used to develop a program step wise.

6.

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

C.

Ans: The purpose of looping is to repeat the statement block until the condition is satisfied.

Q. No. 2

Output

13

Output

Sum of natural number is 47.

Q. No. 3

Ans:→ REM to check whether the input number is odd or even

CLS

INPUT "Enter the number"; A

IF A MOD 2 = 0 THEN

PRINT "Even number";

ELSE

PRINT "Odd number";

END IF

END

Q. No. 4

a) To find the perimeter of a rectangle
 $[P = 2(L+B)]$

→ REM to find the perimeter of a rectangle

CLS

INPUT "Enter the length of rectangle"; L

INPUT "Enter the breadth of rectangle"; B

$$P = 2(L+B)$$

PRINT "The perimeter of rectangle is"; P

END

b) CLS

FOR I = 1 TO 5 STEP 1

FOR J = I TO I

PRINT J;

NEXT

PRINT

NEXT

END