



ST. LAWRENCE HIGH SCHOOL



FIRST TERM EXAMINATION - 2019  
CLASS - 8

SUBJECT - COMPUTER SCIENCE SOLUTION  
DURATION - 2 HOURS

F.M.: 75  
DATE - 6.4.2019

GROUP - A

- 1) Select the correct option: (5X1=5)
- i) When data is given as an input, it is placed in the:  
(a) RAM (b) ROM (c) Cache (d) None of these
- ii) The device that is used to convert a picture, drawing, photograph, etc. into a digital image that can be read by the computer is:  
(a) Scanner (b) Printer (c) Pager (d) None of these
- iii) Disks which store data that can be retrieved with light are called:  
(a) CRT (b) Optical disks (c) Magnetic Disk (d) None of these
- iv) A website consists of many:  
(a) Tags (b) Grids (c) Web pages (d) None of these
- v) The tag that defines how to divide the window into frames, is :  
(a) <body> (b) <Frame> (c) <html> (d) <frameset>
- 2) State TRUE or FALSE: (5X1 = 5)
- i) Inkjet printers produce images with the help of dots arranged to form letter, number, line or any character ---- False
- ii) Bluetooth is needed to connect one computer to another, through a basic telephone line for exchanging information on the internet --- False
- iii) While working on HTML, we use Notepad as a text editor --- True
- iv) Lists arrange text in a linear and structured form --- True
- v) Radio buttons are used when we want the user to select one of the limited number of choices --- True

3) **Fill in the blanks:**

(10X1 = 10)

- i) Primary storage stores data temporarily.
- ii) GPS receives and transmits signals through satellite.
- iii) A Joystick is a pointing device, which is mainly used for games.
- iv) Stylus is a pointed device, something like a ball pen, which is mainly used with palmtop computers and mobile phones.
- v) We use the <a href= " "> tag to link to another website.
- vi) We can insert images in an HTML document by using the <img src = " "> tag.
- vii) The types of lists that can be inserted in HTML are ordered, unordered & Definition.
- viii) In most browsers, the width of the text field is 20 characters by default.
- ix) The <frameset> tag defines how to divide the window into frames.
- x) Checkboxes are used when you want the user to select one or more of limited number of choices.

**Group – B**

1. Write the difference between the following(Provide suitable examples): [2X5=10]

i) **Scanner and printer**

A:

Printer	Scanner
An output device, through which we can place text and images from the computer onto paper or other surfaces	A device that is used to convert an image of something into a digital image tha can be read by the computer
Types include impact and non impact	Types may be flatbed, handheld etc

ii) **<ol> and <ul>**

A: The <ol> tag in HTML is used to create an ordered list whereas the <ul> tag is used to create an unordered list.

iii) **System software and application software**

A:

<b>System Software</b>	<b>Application Software</b>
it is used for operating computer hardware	It is used by user to perform specific task
example include Windows 7, Linux etc.	examples include, MS Word, Powerpoint etc.

**iv) <form> and <frame>**

**A:** <form> denotes the area on a web page that contains the form elements like text fields, text area fields, drop-down menus etc.

<Frame> is used to display more than one HTML document in the same browser window.

**v) RAM and Registers**

**A:** **RAM** is a part of primary storage of computers where data is stored temporarily while a program is being executed.

**Registers** are temporary storage areas for instruction or data which are not a part of memory, but are special locations for storing data.

**2. Write answers for the following questions.(ANY FIVE) [2x5 = 10]**

**i) What are peripheral devices?**

**A:** Peripheral devices are those that are connected internally or externally to a computer and are used in the transfer of data. Eg. Monitor, keyboard, mouse etc.

**ii) What are hyperlinks in HTML?**

**A:** Hyperlink is a link that connects one document to another, either within a document or to another one outside it. In web terms, a hyperlink is a reference to or an address of a resource on the web.

**iii) What is the noresize tag used for in frameset?**

**A:** If a frame has visible borders, the user can resize it by dragging the border. To prevent a user from doing this, noresize tag is used.

**iv) Write the HTML code for the following:**

- Delhi
- Agra
- Mumbai

A: `<body>`  
    `<ul>`  
        `<li> Delhi </li>`  
        `<li> Agra </li>`  
        `<li> Mumbai </li>`  
    `</ul>`  
`</body>`

**v) What is memory? What are its types?**

**A:** Memory is defined as that part of the computer where data and instructions currently needed for processing are held.

Primary and Secondary

**vi) What is application of "alt" attribute in <img> tag?**

**A:** The alt attribute is used to define an 'alternate text' for an image. It tells the reader what he or she is missing on a page if the browser cannot load images.

**vii) What are the main types of storage in a computer?**

**A:** Primary Storage and Secondary Storage

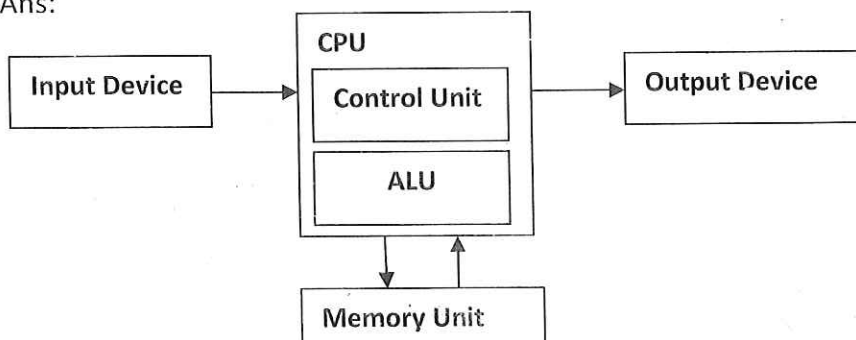
## Group – C [35]

1. Write answers for the following questions in detail. (ANY 7 )

[7 × 5 = 35]

i) Make a flowchart to show how a computer works.

Ans:



ii) What is memory? What are its types? Describe them briefly.

Ans: **Memory can be defined as the part of the computer where data and instructions currently needed for processing are held.**

**There are two types of memory – primary memory and secondary memory.**

**Primary memory – Computer stores data for a very short period of time.**

**Secondary memory – This is the place where data is held permanently or for a long period of time.**

iii) What is a printer? Name and describe atleast three types of printer.

Ans: **Printer is commonly used output devices, through which we can place text and images from the computer on to paper or other surfaces. Some of the types of printers are:**

**Dot matrix: these printers produce images with the help of dots arranged to form the letter, number, line, or any other character.**

**Inkjet printers: these printers have ink in a well-like container, which they spray through tiny holes to form the pattern of the character.**

**Laser printers: these are the fastest and best quality printers that resemble photocopying machine.**

iv) Name the types of list we can insert in HTML. Describe them with examples.

Ans : **Numbered list – it is numbered in proper sequence. For example –**

1. i. a. A.
2. ii. b. B.
3. iii. c. C.

**Numbered list – it starts with bullet. For example –**

- 
-

**Definition list** – this is a list which is without numbers or bullets, and there are specific terms that help to make the list.

i) Write an HTML code for the following:

Subjects	First term	Second term	Third term
English	78	75	81
Maths	90	88	93
Science	85	87	82

Ans :

```

<table>
  <thead>
    <tr>
      <th>
        <tr>Subjects</tr>
        <tr>First term</tr>
        <tr>Second term</tr>
        <tr>Third term</tr>
      </th>
    </tr>
  <tbody>
    <tr>
      <td>
        <tr>English</tr>
        <tr>78</tr>
        <tr>75</tr>
        <tr>81</tr>
      </td>
      <td>
        <tr>Maths</tr>
        <tr>90</tr>
        <tr>88</tr>
        <tr>93</tr>
      </td>
      <td>
        <tr>Science</tr>
        <tr>85</tr>
        <tr>87</tr>
        <tr>82</tr>
      </td>
    </tr>
  </tbody>
</table>

```

ii) Describe with an HTML code snippet for any three elements of an HTML form.

Ans: **Text fields:** they are used when we want the user to type letters, numbers, etc

```
<input type = "text" name = "firstname"/>
```

**Radio buttons:** they are used when we want the user to select one of the limited numbers of choices.

```
<input type = "radio" name = "gender" value = "male"/>Male
```

**Buttons:** they are used when we want the user to click on it and web page responds accordingly.

```
<input type = "button" value = "Click me"/>
```

iii) How is a program executed in the CPU? Mention the steps.

Ans : Instruction is given through an input device → Instructions and data are placed in RAM → CU takes the instructions and decode them → required data is transferred to the ALU → ALU performs arithmetical or logical operation → finally, CU gives direction to the ALU to display the result.

iv) Write a short note on wireless technologies.

Ans : Technology has enabled devices to get connected to each other wirelessly.

Give a brief description about any of the popular wireless technologies.

v) What are the following tags used for in HTML?

<TR>, <TD>, <TH>, <A HREF=>, <TABLE>

Ans : <tr> - to specify the row

<td> - to add data inside a table

<th> - to define the table headers

<a href> - to link to another website

<table> - to create table