

SAMPLE QUESTION PAPER - 5
Computer Applications (165)
Class X (2024-25)

Time Allowed: 2 hours

Maximum Marks: 50

General Instructions:

1. This Question Paper has 5 Sections A-E.
2. All Questions are compulsory. However, an internal choice of approximately 30% is provided.
3. Section A has 12 questions carrying 01 mark each.
4. Section B has 7 Very Short Answer (VSA) type questions carrying 02 marks each.
5. Section C has 4 Short Answer (SA) type questions carrying 03 marks each.
6. Section D has 1 Long Answer (LA) type question carrying 04 marks.
7. Section E has 2 Source based /Case-based /Passage based Questions carrying 04 marks each.

Section A

1. Netiquette is short for [1]
 - a) Internet etiquette
 - b) Both Etiquette and Internet etiquette
 - c) Social etiquette
 - d) Etiquette
2. Which of the following is the correct expansion of SMS? [1]
 - a) Short Message Service
 - b) Small Message Service
 - c) Small Multimedia Service
 - d) Short Multimedia Service
3. One common way to maintain data availability is _____. [1]
 - a) data recovery
 - b) data altering
 - c) data backup
 - d) data clustering
4. Which is the process of transferring files from a computer on the Internet to your computer called? [1]
 - a) Uploading
 - b) FTP
 - c) Forwarding
 - d) Downloading
5. A website used to provide online information and services to the citizens is an example of: [1]
 - a) e-learning
 - b) e-business
 - c) e-governance
 - d) e-mail
6. H in <HR> tag stands for: [1]

13. What do you understand by Pinterest? [2]
14. What is PPP? [2]

OR

Online shopping saves your time. Name any two popular online shopping websites.

15. Govind is unable to make link to specific sections of a different document. What could be the possible reasons? [2]
16. Karan needs an accounting software but does not want to pay for it. Which type of software should he use? [2]

OR

Name two security threats in a network.

17. Kusum is creating a web page that displays notes of Python. The paragraphs of the webpage are to be displayed in font Times New Roman, the colour of the text will be blue and size will be 11 pixels. Help her by writing a CSS code for the paragraph element. [2]
18. What is the HEAD element? [2]

OR

Consider the given code:

```
<a href = "mailto: customercare@educart.com">Send Email</a>
```

Define the use of Mailto.

19. Sometimes it is better to use the text area element instead of an input element of type text. Write a short note to explain when and why? [2]

Section C

20. What is digital unite? Mention the measures to bridge the gap between digital divide and digital unite. [3]
21. Mention any three negative impacts of e-governance. [3]
22. State the difference between the internal and external style sheet with the help of their syntax. [3]

OR

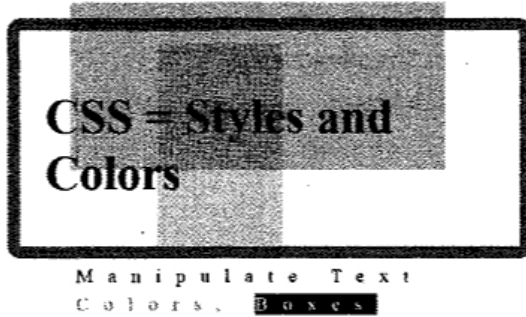
Discuss a few advantages of CSS.

23. Describe the different types of intellectual property rights. [3]

Section D

24. Observe the following Web page and write HTML code to generate it.

[4]



OR

Which attribute is used to specify the location of an image file in tag? Explain.

Section E

25. Read the text carefully and answer the questions:

[4]

Outline Property: The outline property specifies a line to be drawn around elements. The line is drawn outside the borders to make the element 'stand out' and to enhance its impact. Different types of outline properties such as outline-style, outline-colour, outline-width can be specified for an HTML tag.

- (i) Which property applies an outline that makes the box look like it is embedded in the page?
- (ii) Why the Outlines are different from the borders?
- (iii) Which property applies an outline that makes the box look like it is coming out of the canvas?
- (iv) What are the different types of outline properties which can be specified for an HTML tag?

26. Read the text carefully and answer the questions:

[4]

Rachna lives with her family in Jodhpur, Rajasthan. Her daughter, Aarushi, is studying in Patna. From talking to sending money, all their activities are dependent on internet.

- (i) Rachna and Aarushi generally do audio video conversation. What type of internet service are they using?
- (ii) Name any two social networking sites that allow audio-video conversation.
- (iii) Rachna wants to pay Aarushi's college fees, but has no time to travel so far. How can she pay her fees?
- (iv) Aarushi's college sends the performance card online to the parents for which the college has taken _____ address of parents.

Solution
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Section A

1. (a) Internet etiquette

Explanation:

Netiquette is short for Internet etiquette. Etiquette is a code of polite behaviour in society, Netiquette is a code of good behaviour on the Internet.

2. (a) Short Message Service

Explanation:

Short Message Service

3.

- (c) data backup

Explanation:

data backup

4.

- (d) Downloading

Explanation:

Downloading

5.

- (c) e-governance

Explanation:

e-governance

6.

- (c) Horizontal

Explanation:

Horizontal

7.

- (c) What You See is What You Get

Explanation:

What You See is What You Get

8. (a)

<INPUT type= "reset" name = "clear values">

Explanation:

<INPUT type= "reset" name = "clear values" value ="reset">

The TYPE attribute is given the value “Reset” to create Reset button. When this button is clicked, then all the form controls are reset to default values.

9. (a)

Click Here

Explanation:

with Click Here image works as link.

10.

(c) inline with text

Explanation:

inline with text

11.

(c) A is true but R is false.

Explanation:

A is true but R is false.

12.

(c) A is true but R is false.

Explanation:

A is true but R is false.

Section B

13. Pinterest is a free pinboard-style photo-sharing site and application where users can create and manage theme-based image collection like interests, hobbies and recipes, etc.

14. PPP (Point to Point Protocol) comes into play when we establish a connection to our ISP (Internet Service Provider) via modem and we make up two points on the network hence the protocol that is used to get things 'happening' between the two of us is the Point to Point Protocol or the PPP.

OR

Flipkart.com, amazon.com

15. The linking to the specific section of other documents can be done either if the author has the write permission to the coded source of that document or that document already has the named anchors.

16. Any accounting software that is an open source software or freeware.

OR

Denial of service attacks and snooping.

17. p {font-family : times new roman; color: blue; font-size: 11px;}

18. The HEAD contains general information about the document. It is the first thing that appears before the <BODY>. The contents of HEAD are not displayed as part of the document.

```
<HTML>
```

```
<HEAD>
```

```
<TITLE> Hello HTML page </TITLE>
```

```
</HEAD>
```

```
</HTML>
```

OR

Mailto link is a type of HTML link that activates the default mail client on the computer for sending an e-mail.

19. It is better to use the text area element instead of an input element of type text because text area shows the content written whereas text field show only a part. Text area shows several text lines which can easily show your whole content. You also have full control over text area using wrap attribute while in text field it have single line. When you type more words then other words hide.

Section C

20. Digital unite refers to a society where everyone would be skilled and equipped to take advantages of various ICT services. Everyone would be able to access the Internet, even in rural and remote areas. People will be educated enough to utilise technology.

The gap between the digital divide and the digital unite must be covered, using the following measure:

- i. For making this possible, both the people and the governments should work together. People should use such tools to educate themselves and not feel hesitant about learning and using new technologies.
 - ii. Governments should work on providing basic education and basic infrastructure for using such technologies to all the people, so that maximum people can get the benefits of technology.
21. E-governance has following negative impacts:
- i. Lack of computerization in remote areas is a barrier in providing services to people.
 - ii. As the system become more mechanised, loss of interaction has increased among people.
 - iii. Risk of data theft and leakage always exists.
22. **Internal or Embedded Style Sheet:** The internal or embedded style sheet is the one that we define in the same HTML page in which we want to use the styles. The internal style sheet is used when we want to define the styles for a single web page. In the case of this

style sheet, the style rules are mentioned in the header section of the HTML page. The `<STYLE></STYLE>` tags are used to define the styles and contain the styles.

Syntax of the Internal Style Sheet:

```
<HTML>
<HEAD>
<TITLE> ... </TITLE>
<STYLE TYPE = "text/css">
{
Style rules ...
.....
.....
}
</HEAD>
<BODY>
HTML tags and content
</BODY>
</HTML>
```

External Style Sheet: Instead of defining the style rules in the same HTML page. We can even define all the style rules in a separate style file and can link this file to web page(s). This external style sheet will be saved as a separate text style sheet file with the extension .css. We can define all the style rules in this style sheet file, and link this to any HTML document. The `<LINK>` tag is used to link an external .css file into an HTML page.

Syntax of the External Style Sheet:

```
<HTML>
<HEAD>
<TITLE> ... </TITLE>
<LINK TYPE = "text/css" HREF = "filename">
```

The `<LINK>` tag includes an external .css file in an HTML page. One common CSS file can be linked to different web pages using the same syntax.

OR

The advantages of CSS are as follows:

- i. **CSS Saves Time to Develop Web Pages:** CSS allows us to specify the formatting styles for different HTML tags only once. These styles will be applied to all the tags of a single web page or same style sheets can even be linked to several web pages. Thus, CSS helps in saving a lot of time as the web developers do not need to write the same

formatting code again and again. They can make a style sheet once and can link it to as many web pages as they want.

- ii. **CSS Uses Less Bandwidth:** CSS makes HTML web pages lighter as styles are mentioned in separate files, and one file can be linked to many web pages. Thus, CSS helps in reducing the bandwidth usage.
- iii. **CSS Makes Downloading the Web Pages/ Websites Faster:** Since, CSS result in specifying or writing the smaller code for HTML pages, so lighter web pages/websites download faster than the heavier ones.

23. The different types of intellectual property rights are as follows:

- i. **Patent:** It is a legal document that gives the inventor sole rights to make, sell or use an invention. A person, a group of persons, an organisation or a company can get their invention covered under a patent to protect it from unauthorised use.
- ii. **Trademark:** A logo or symbol that is printed on a business item to make it exclusive is known as a trademark. A trademark is valid for 10 years and can be renewed after that.
- iii. **Copyright:** It is a right that is granted by law to the creator or inventor for his or her original work. The rights concerning a copy of any product are reserved by the creator or the company that has published the work. Copyright covers literary and artistic works such as books, plays, articles, music compositions and much more.

Section D

24. <!DOCTYPE html>

```
<html>
<body>
<div style="position: relative;">
<div style="opacity: 0.5; position: absolute; left: 50px; top: -30px;
width: 300px; height: 150px; background-color: #40b3df;"></div>
<div style="opacity: 0.3; position: absolute; left: 120px;
top: 20px; width: 100px; height: 170px; background-color: #73ad21;"></div>
<div style="margin-top: 30px; width: 360px; height: 130px;
padding: 20px; border-radius: 10px; border: 10px solid #ee872a; font-size: 120%;">
<h1>CSS = Styles and Colors</h1>
<div style="letter-spacing: 12px; font-size: 15px;
position: relative; left: 25px; top: 25px;">Manipulate Text</div>
<div style="color:#40B3DF; letter-spacing:12px;
font-size:15px; position:relative; left:25px; top:30px;">
Colors,
<span style="background-color: #b4009e; color: #ffffff;">Boxes</span>
</div>
```

</div>
</div>
</body>
</html>

OR

The attribute you need to get an image to display on a Web page is the src attribute. In the src attribute of the tag, you can specify the path of the image that you want to add to the Web page. This may be an image in the same directory, an image somewhere else on the same server, or an image stored on another server.

The syntax for src attribute is

Section E

25. Read the text carefully and answer the questions:

Outline Property: The outline property specifies a line to be drawn around elements. The line is drawn outside the borders to make the element 'stand out' and to enhance its impact. Different types of outline properties such as outline-style, outline-colour, outline-width can be specified for an HTML tag.

(i) Inset property.

(ii) The outlines are different from the borders because of the following reasons:

- i. An outline does not take up space.
- ii. The outlines do not have to be rectangular.
- iii. The outline is always the same on all sides.

(iii) Outset property.

(iv) The different types of outline properties which can be specified for an HTML tag are as follows:

- i. Outline-style
- ii. Outline-color
- iii. Outline-width

26. Read the text carefully and answer the questions:

Rachna lives with her family in Jodhpur, Rajasthan. Her daughter, Aarushi, is studying in Patna. From talking to sending money, all their activities are dependent on internet.

(i) Video conferencing.

(ii) Skype, Facebook Messenger

(iii) Using Net banking facility.

(iv) 1. Email