Maximum Marks: 25   **Time Allowed: 90 Minutes**

General Instructions:
1. The Question Paper contains three sections A, B and C.
2. Section A has 20 questions. Attempt any 16 questions.
3. Section B has 20 questions. Attempt any 16 questions.
4. Section C has 10 questions. Attempt any 8 questions.
5. All questions carry equal marks.
6. There is no negative marking.

Q.N.	Section-A This section consists of 20 questions of MCQ type. Answer any 16 questions.
1	Which one of the following software comes under Open-Source Software category? a. Photoshop b. Ms-Paint c. Linux d. Windows
2	HTML tag to draw horizontal line: a. \<hl> b. \<hr> c. \<hline> d. None of the above
3	Secure data transmission means a) Data is accessible by any unauthorized person during transmission. b) Data can not be accessed by any unauthorized person during transmission. c) Transmission of data happens easily d) Noone can access it
4	The correct HTML code to display$(P+Q)^2$ is: a. _{(P+) 2\} b. P+Q \^{2 \} c. (P + Q)\^{2 \} d. \^{(P+Q) 2\}
5	Which HTML tags cause browsers to render text as italics? a. \<text style = "italics">\</text> b. \<ital.>\</ital.> c. \<i>\</i> d. \\
6	The correct HTML code for inserting an image is : a. \<img href="image.gif"> b. \<img> image.gif\</gif> c. \<image src = "image.gif"> d. \<img src = "image.gif" >

7	Which attribute is NOT valid for the <body> tag? a. background b. color c. vlink d. bgcolor
8	_____attribute is used to specify the location of an image file. a. alt b. src c. align d. name
9	Which of the following is NOT an example of Intellectual Property rights? a. Patent b. Trademark c. Password d. Industrial Design
10	The_____ attribute of <img> tag specifies an alternate text for an image, if the image cannot be displayed due to any reason. a. alt b. alternate c. tooltip d. text
11	While creating a Web document, which unit is used to express an image's height and width? a. Centimeters b. Pixels c. Dots per inch d. Inches
12	Preeti needs to send a very confidential message to her colleague in office over a secure channel. She uses a technique wherein an actual message (which is in readable form) can be converted into an unreadable message. This concept is known as_____ a. Encryption b. Decryption c. Plagiarism d. Data Security.
13	Which is the correct way to comment out something in HTML? a. Using ## and # b. Using <!-- and --> c. Using </-- and -/-> d. Using <!-- and -!>
14	The default alignment of images, that are inserted in Web page, is: a. left b. right c. inline with text d. middle
15	Which of the following techniques can be used for security of data? a. Authentication b. Authorisation c. Encryption d. All of the Above

16	Which of the following is not a cybercrime? a. Plagiarism b. Phishing c. using licensed software d. hacking
17	_____ is a software for which exclusive rights of modification in the source code remain with the owner. a. Free Open-Source Software b. Freeware c. Open-Source Software d. Proprietary Software
18.	A _____ is the right given by the government to an inventor to protect his/ her invention from being used/copied for a fixed period of time. a. Copyright b. Intellectual Property c. Patent d. Trademark
19	Which of these is NOT an attribute of the font tag? a. color b. face c. type d. size
20	The <_____> tag displays text in subscript form. a. sub b. sup c. sups d. subs.
	Section-B **This section contains 20 questions. Answer any 16 questions.**

21	Arun clicks on a link received in a message on his phone which promises him a complimentary trip to a destination of his choice. He forwarded this message to his friend, Panshul and asked him to do the same. But Panshul refuses and tells Arun that his personal and private information, such as online account names, login information and passwords can be stolen and he should be careful of such _____ attacks.
	   a. Phishing
	   b. Spamming
	   c. Scamming
	   d. Plagiarism

22	Consider the following HTML code:
	\<ol type='i'\> \<li\>First\</li\> \<li\>Second\</li\> \<li\>Third\</li\> \<li\>Fourth\</li\> **\</ol\>** Choose the correct output that would be shown upon execution of the above code , from the choices given below: a. I. First II. Second III. Third IV. Fourth b. i. First ii. Second iii. Third iv. Fourth c. I First II Second III Third IV Fourth d. i First ii Second iii Third iv Fourth
23	Charlene is an artist. She displays her artwork on the Internet using her website to attract buyers. One day while browsing the Internet she discovers that another artist has displayed her painting portraying it as his own. Which right of Charlene was infringed? a. Digital Privacy right b. Intellectual Property right c. Digital Property right c. Intellectual Privacy right
24	Which of the following will result in the largest text size? a. \<H3\> b. \<H6\> c. \<H2\> d. \<H4\>
25	We can create a numbered list using the _____ tag. a. \<UL\> b. \<list\> c. \<OL\> d. \<DL\>
26	Which of these is NOT an example of Cyber bullying? a. Copying a classmate's personal photo against his/her permission from his social media account and sending it to other friends on their emails b. Bullying a classmate in the school corridor. c. Threatening someone on whatsapp. d. Posting mean messages about someone on their social media.
27	Identify which of the following type of list will create a bulleted list. a. Unordered b. Ordered c. Definition d. Numbered

28	Which sequence of HTML tags is correct? a. <html><head><title></title></head><body></body></html> b. <html><head><title><body></title></head></body></html> c. <html><head><title</head><body></body>></title></</html> d. <html><head><title><body></body ></title></head ></html>
29	Pratham is excited to use a new software which is freely available to download but he cannot modify or change the source code. Pratham is using a. Freeware b. Open-Source Software c. Both a and b d. None of the above
30	Priyanshu has written the following code snippet as part pf an HTML program. <B> Mystery Moon </B> Predict the output of the above from the following: a. Mystery Moon b. **Mystery Moon** c. *Mystery Moon* d. *Mystery Moon*
31	Consider the following code: <img src="Computers.jpg" width=" _____ " height="_____">> Fill in the blanks to set the image size to be 250pixels wide and 400 pixels tall. a. 250, 400 b.400, 250 c. <250><400> d. <400><250>
32	Tag (s) required to create Description lists in HTML: a. <DL> b. <DT> c. <DD> d. All of the above
33	Which of the following is NOT a reason for the digital divide in different demographic regions? a. Cost of Technology b. Lack of information c. Lack of access to high performance computers d. Lack of access to the disabled.

34	One of the most popular method of encrypting data is Ceaser cipher where original data is replaced by a key character like if key is -2 than 'a' will be replaced by 'y', 'b' is replaced by 'z' and so on. If the key is 2 i.e. Every letter is replaced by its next to next letter means the letter 'A' will be replaced by 'C', the letter 'B' is replaced by 'D', and so on then what will be the replacement of the word 'CoMpUtEr'. a. Eqorwvgt b. eQOrwVtG c. eqroWVTG d. EqOrWvGt
35	Consider the following form control in a HTML form: ◯ Male ◯ Female Now choose the correct line of code for the above : a. <input type = "radio" name= "Gender" value= "male">Male <input type = "radio" name= "Gender" value= "female">Female b. <input type = "radiobutton" name= "Gender" value= "male">Male <input type = "radiobutton" name= "Gender" value= "female">Female c. <input type = "radio", name= "Gender">< value= "male">Male <input type = "radio", name= "Gender">< value= "female">Female d. <input type = "radio" name= "Gender" value= "male"> <input type = "radio" name= "Gender" value= "female">
36	Gagandeep has written the following code to display an image in the background of HTML document: <BODY BgGround= "Animals.jpeg"> but he is not getting the desired output. Help him in identifying correct code from the following a. <BODY Bg= "Animals.jpeg"> b. <BODY BACK= "Animals.jpeg"> c. <BODY BGIMAGE= "Animals.jpeg"> d. <BODY BACKGROUND= "Animals.jpeg">
37	Which of the following is a way to avoid Plagiarism when using material from the Internet? i. Citing ii. Paraphrasing iii. Referencing iv. embedding Choose the correct option: a. i and ii only b. Only i c. i, ii and iii only d. ii and iv only

38	Tag to create password field in HTML document: a. \<password> b. \<input> c. \<pwd> d. \<pword>
39	Which of the following tag is used to define options in a drop-down selection list? a. \<select> b. \<list> c. \<dropdown> d. \<option>
40	Which of the following is the correct way to create a list using the lowercase letters? a. \<ol alpha = "a" > b. \<ol type = "a"> c. \<ol letter = "a"> d. None of the above

Section-C
Case study based questions
Section C consists of 10 questions. Any 8 questions are to be attempted.

Case Study –I

Geetika has recently created her social accounts. She is very excited as she waited so long to go online. She has recently also got admission in a prestigious high school and does not know many students.
When she logs into her social media a few days later, she finds that someone is posting negative, demeaning comments on her social media profile. She is also getting repeated mails from unknown people. Whenever she goes online, she is trolled by multiple unknown people.

Based on the given information, answer the questions NO. 41-45.

41	Geetika is a victim of _____ :
	
	    a. Eavesdropping
	    b. Plagiarism
	    c. Phishing
	    d. Cyber stalking

42	Which of the following is the most appropriate action she should take?
	
	    a. She should stop going online and delete her social media accounts.
	    b. She should NOT share this with anyone as she might face more of such kind of behaviour.
	    c. She should file a complaint at the nearest police station.
	    d. She should inform her parents and bring to the notice of school authorities.

43	After hearing her ordeal, the school decides to publish a set of moral principles that determines the appropriate behavior of students while using the internet. The school is referring to_____ a. Intellectual Property rights b. Internet Privacy c. Computer Ethics d. Cyber Ethics
44	Geetika is advised by her best friend, Seerat to protect her personal information from intentional or unintentional attacks by others. This is also known as _____ a. Digital right b. Copyright c. Data Privacy **d. Intellectual property**
45	The computer teacher of Geetika's class decides to take an online session on the topic Netiquettes, which generally includes: a. safeguarding one's passwords and sensitive online information b. logging out of social media accounts after the session c. not bullying or trolling anyone by disrespecting them or passing inappropriate remarks d. All of the above.

<div align="center">

Case Study –II

</div>

Consider the following code created by Sumantha for a webpage:
```
<html>
<body bgcolor="yellow">
<center>
<h1> Our Country : India <__>                              -------line1
<imgsrc="india.jpg">
</center>
<p>
<font color="red" size="5" ____="Times New Roman">    -------line2
India is spread over a large geographical area. In terms of area, it is the 7<sup>th</sup> largest country
while in terms of population,
it is the 2<sup>nd</sup>  largest country in the world.
Some facts about India are as follows<___></p>          -------line3
<ul>
<li>Area :Approx 3.28 million sq. km <_>                   -------line4
<li>North to South extension :Approx 3,200 km</li>
<li>East to West extension :Approx 2900 km</li>
<__>                                            -------line5
</body>
</html>
```

Based on the given information, answer the questions NO. 46-50.

46	Choose the correct option from the following to fill up in line 1: a. \h1 b. \h6 c. /h6 d. /h1
47	Choose the correct option from the following to fill up in line 2: a. font b. face c. type d. text
48	Choose the correct option from the following to fill up in line 3: a. </f> b. <f> c. d. <font>
49	Choose the correct option from the following to fill up in line 4: a. <i> b. c. <\li> d. <\i>
50	Choose the correct option from the following to fill up in line 5: a. ul b. <\ul> c. d.

Marking Scheme
Class: X Session: 2021-22
Computer Applications (Code 165)

Maximum Marks: 25   **Time Allowed: 90 Minutes**

All Questions carry equal marks

QN	Section-A	Unit
1	c. Linux	Cyber Ethics
2	b. \<hr>	Html
3	b) Data can not be accessed by any unauthorized person during transmission.	Cyber Ethics
4	c. (P + Q)\^{2 \}	Html
5	c. \<i>\</i>	Html
6	d. \<img src = "image.gif">	Html
7	b. color	Html
8	b. src	Html
9	c. Password	Cyber Ethics
10	a. alt	HTML
11	b. Pixels	HTML
12	a. Encryption	Cyber Ethics
13	b. Using \<!-- and -->	HTML
14	c. inline with text	HTML
15	d. All of the Above	Cyber Ethics
16	c. using licensed software	Cyber Ethics
17	d. Proprietary Software	Cyber Ethics
18.	c. Patent	Cyber Ethics
19	c. type	HTML
20	a. sub	HTML
	Section-B	
21	a. Phishing	Cyber Ethics

22	b.
	
	  i. First
	  ii. Second
	  iii. Third
	  iv. Fourth
		HTML

23	b. Intellectual Property right	Cyber Ethics
24	c. \<H2>	HTML
25	c. \<OL>	HTML

26	b. Bullying a classmate in the school corridor.	Cyber Ethics
27	a. Unordered	HTML
28	a. <html><head><title></title></head><body></body></html>	HTML
29	a. Freeware	Cyber Ethics
30	b. **Mystery Moon**	HTML
31	a. 250, 400	HTML
32	d. All of the above	HTML
33	c. Lack of access to high performance computers	Cyber Ethics
34	d. EqOrWvGt	Cyber Ethics
35	a. <input type = "radio" name= "Gender" value= "male">Male <input type = "radio" name= "Gender" value= "female">Female 	HTML
36	d. <BODY BACKGROUND= "Animals.jpeg">	HTML
37	c. i, ii and iii only	Cyber Ethics
38	b. <input>	HTML
39	d. <option>	HTML
40	b. <ol type = "a">	HTML
Section-C		
41	d. Cyber stalking	Cyber Ethics
42	d. She should inform her parents and bring to the notice of school authorities.	Cyber Ethics
43	d. Cyber Ethics	Cyber Ethics
44	c. Data Privacy	Cyber Ethics
45	d. All of the above.	Cyber Ethics
46	d. /h1	HTML
47	b. face	HTML
48	c. 	HTML
49	b.	HTML
50	d.	HTML