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SET	A
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**INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
COMPUTER APPLICATIONS (165)**



CLASS : X
DATE: 18/09/2022

TIME ALLOTTED : 2 HRS. 40 MINS
MAXIMUM MARKS: 50

GENERAL INSTRUCTIONS:

1. This question paper contains two parts A and B. Each part is compulsory.
2. Part A carries 20 marks while part B carries 30 marks.
3. Part-A consists very short answer and case based MCQ Questions and Part-B is Descriptive Paper.
4. Both Part A and Part B have choices.

Part – A:

1. It consists two sections- I and II.
2. Section I has 13 questions of very short answer type. An examinee is to attempt any 10 out of 13 questions.
3. Section II has two case studies. Each case study has 7 case-based sub-parts. An examinee is to attempt any 5 out of 7 sub-parts.

Part – B:

1. Question No. 16 to 20 are short answer Type (SA-I) questions of 2 mark each, Question No 21 to 25 are Short Answer Type (SA-II) questions of 3 marks each and Question No 26 is Long Answer Type question of 5 marks.
2. Internal choice is provided in 1 question of 2 marks, 1 question of 3 marks and 1 question of 5 marks.

Part-A

Section-I

This section consists of 13 questions of very short answer type. Attempt any 10 questions from question no 1 to 13.

- | | |
|---|---|
| 1 Give any two examples of Empty tags in HTML? | 1 |
| 2 The default colour of link attribute is _____ | 1 |
| 3 Which tag is used to insert a comment line in HTML? | 1 |

- 4 _____ tag is used to make the given text bold. 1
- 5 Byju doesn't know how to add a horizontal line to his webpage. He should use _____ tag to insert a horizontal line. 1
- 6 Sunitha is designing a webpage and she wants to merge two columns of a table to form a single column. Which attribute of the <TD> tag she should use? 1
- 7 NETIQUETTES is short for _____. 1
- 8 Directly copying text, word is called _____. 1
- 9 _____ is a software whose source code is available for modification by anyone. 1
- 10 _____ & _____ are two types of software licenses. 1
- 11 Intentional false representation of a fact is known as _____. 1
- 12 _____ is a security protocol developed by Netscape Communications to protect communication over the internet. 1
- 13 _____ is the uneven distribution of Information & Communication Technologies in society. 1

Section-II

Both the Case study based questions are compulsory. Attempt any 5 questions (out of 7 questions) from each case study. Each question carries 1 mark

- 14 Raju has recently created social media accounts. He has recently got admission in a prestigious College and does not know many students. When he logs into his social media, he finds that someone is posting negative, demeaning comments on his social media profile. He is also getting repeated mails from unknown people. Whenever he goes online, he is trolled by multiple unknown people. 1
- (i) _____ implies repeatedly targeting someone with intentions to hurt or embarrass. 1
- a. Etiquettes
 - b. Cyber bullying
 - c. Cyber crime
 - d. Intellectual Property Right

- (ii) Which of the following is the most appropriate action Raju should take? 1
- a. He should stop going online and delete his social media accounts.
 - b. He should file a complaint at the nearest police station.
 - c. He should NOT share this with anyone as he might face more of such kind of behaviour.
 - d. He should inform his parents and bring to the notice of authorities.
- (iii) After hearing his ordeal, the college decides to publish a set of moral principles that determines the appropriate behavior of students while using the internet. The college is referring to _____ 1
- a. Intellectual Property rights
 - b. Internet Privacy
 - c. Computer Ethics
 - d. Cyber Ethics
- (iv) The best way to discourage trolls is not to pay any _____ to their comments. 1
- a. Comment
 - b. attention
 - c. regards
 - d. None of these
- (v) Using the materials available on the net, without the permission of the owner or creator is called _____ 1
- a. Law violation
 - b. Cyber law violation
 - c. Copyright violation
 - d. Software Violation

(vi) Raju installed a software whose source code is freely available on the internet and he could modify the software. He is using _____ 1

- a. Open Source Software
- b. Proprietary Software
- c. Editing Software
- d. None of these

(vii) He copied an essay from the net and without any modification he submitted it as his project. This act is known as 1

- a. Copying
- b. Plagiarism
- c. Stealing
- d. Working

15

Image in HTML

The tag is used to insert an image in a web page. It is very important to know that images are not technical part of the web page file, they are separate files which are inserted into the web page, when it is viewed by a browser.

So, a simple web page with one image is actually two files. When an HTML file is displayed in a browser, it requests the image file and places it on the web page where the tag appears.

(i) Web browsers display images in the following format 1

- a. BMP
- b. JPEG
- c. GIF
- d. All of these

(ii) Which tag is used to insert an image in web page? 1

- a. <A>
- b. <TABLE>
- c.
- d. <P>

- (iii) The correct HTML code for inserting an image is 1
- a. ``
 - b. ` image.gif</gif>`
 - c. ``
 - d. `<IMAGE src = "image.gif">`
- (iv) src attribute used with tag stands for 1
- a. Screen
 - b. screen resolution count
 - c. source
 - d. structure
- (v) _____ attribute is used to specify the location of an image file. 1
- a. location
 - b. src
 - c. align
 - d. name
- (vi) The alternate text of an image can be displayed by using the ____ attribute of tag. 1
- a. src
 - b. alt
 - c. align
 - d. None of these
- (vii) alt attribute allows 1
- a. addition of an alternate hyperlink
 - b. addition of a border to image
 - c. use of an alternate image in place of the specified image
 - d. use of alternate text about an image

Part –B

All questions are compulsory. In case of internal choices , attempt any one.

- 16 What is the use of <sub> and <sup> tags. 2
- 17 Write the HTML code to display the following output 2
- PASSWORD:

OR

Write the HTML code to display an audio file music.mp3.

- 18 Define the following 2
- (i) Digital Property Rights
- (ii) Plagiarism
- 19 Define Freedom of information. Mention any one advantage of FOI. 2
- 20 Write any two Factors that contribute Digital Divide. 2
- 21 Write the HTML code to display the following text INDIA@75 with font face AHARONI, size 6 and color BLUE. 3
- 22 Jaydev, a web designer, wants to create a webpage to display a list where each item is listed by a number. Which type of list he should use? Explain the role of start and type attributes. 3

OR

What are the roles of Rowspan and Colspan attribute. Explain with suitable example.

- 23 List any 3 ways to prevent PLAGIARISM. 3
- 24 Define the term Intellectual Property Rights. What are the different types of Intellectual property rights? 3
- 25 Define software license. What are the two types of software licenses?. 3

5

SL NO.	SOCIAL MEDIA	NO. OF USERS
1	FACEBOOK	52
2	TWITTER	
3	INSTAGRAM	39
TOTAL NO. OF USERS		91

Write the HTML code to design the above-shown table in a webpage considering the specifications as given below :

- Background color of the table should be yellow & border attribute should be 5
- Table header tag should be used wherever required.
- The table should exactly contain 5 rows and 3 columns. The data in each cell should be as shown in the above table.
- Attribute rowspan should be used wherever required.
- Attribute colspan should be used wherever required.

OR

Write the HTML code to display the following

- A^{m+n}
- CH_4
- Azadi Ka Amrit Mahotsav**
- Sustainable Development Goals
- Artificial intelligence (Level 3 heading)

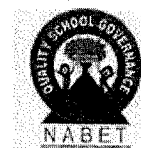
******END OF THE QUESTION PAPER******

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3. Section II has two case studies. Each case study has 7 case-based sub-parts. An examinee is to attempt any 5 out of 7 sub-parts.

Part – B:

1. Question No. 16 to 20 are short answer Type (SA-I) questions of 2 mark each, Question No 21 to 25 are Short Answer Type (SA-II) questions of 3 marks each and Question No 26 is Long Answer Type question of 5 marks.
2. Internal choice is provided in 1 question of 2 marks, 1 question of 3 marks and 1 question of 5 marks.

Part-A

Section-I

This section consists of 13 questions of very short answer type. Attempt any 10 questions from question no 1 to 13.

- | | | |
|---|---|---|
| 1 | The default colour of a vlink attribute is _____ | 1 |
| 2 | Give two examples of Container tags in HTML? | 1 |
| 3 | Which tag is used to insert a line break in HTML? | 1 |

- 4 _____ tag is used to make the text italics. 1
- 5 Prem is designing a webpage and he wants to merge two rows of a table to form a single row. Which attribute of the <TD> tag he should use? 1
- 6 Anila doesn't know how to add a horizontal line to his webpage. She should use _____ tag to insert a horizontal line. 1
- 7 _____ & _____ are two types of Open Source Software Licenses. 1
- 8 Directly copying text, word is called _____. 1
- 9 Intentional false representation of a fact is known as _____. 1
- 10 NETIQUETTE is short for _____. 1
- 11 _____ is a software whose source code is available for modification by anyone. 1
- 12 _____ is the uneven distribution of Information & Communication Technologies in society. 1
- 13 _____ is a security protocol for ensuring the security of financial transactions on the internet. 1

Section-II

Both the Case study based questions are compulsory. Attempt any 5 questions (out of 7 questions) from each case study. Each question carries 1 mark

- 14 Gayathri has recently created social media accounts. She has recently got admission in a prestigious 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.
- (i) Using the materials available on the net, without the permission of the owner or creator is called _____ 1
- a. Law violation
 - b. Cyber law violation
 - c. Copyright violation
 - d. Software Violation

- (ii) Which of the following is the most appropriate action she should take? 1
- 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 his parents and bring to the notice of school authorities.
- (iii) After hearing his 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 _____ 1
- a. Intellectual Property rights
 - b. Internet Privacy
 - c. Computer Ethics
 - d. Cyber Ethics
- (iv) _____ implies repeatedly targeting someone with intentions to hurt or embarrass. 1
- a. Etiquettes
 - b. Cyber bullying
 - c. Cyber crime
 - d. Intellectual Property Right
- (v) Gayathri installed a software whose source code is freely available on the internet and she could modify the software. She is using a 1
- a. Open Source Software
 - b. Proprietary Software
 - c. Editing Software
 - d. None of these
- (vi) She copied an essay from the net and without any modification she submitted it as her project. This act is known as 1
- a. Copying
 - b. Plagiarism
 - c. Stealing
 - d. Working

(vii) As a good digital citizen we have the

1

- a. Freedom of Information
- b. Right to access others private data
- c. Both a and b
- d. None of these

15

Embed Audio Element

The HTML <AUDIO> element is used to embed sound content in documents. It contains audio source, represented using the src attribute. The <AUDIO> element defines an in-browser audio player. The audio player can provide a single piece of audio content. To specify the source file of the audio content, use one or more <SOURCE> elements inside the <AUDIO> element. All <SOURCE> files should contain the same audio content, but in different file formats. The browser will select the first file format that it is able to play. If you are not going to provide multiple source file formats, you may indicate the source file in the src attribute, instead of in a separate <SOURCE> element.

(i) <AUDIO> tag is used in

1

- a. <HTML> tag
- b. <BODY> tag
- c. <HEAD> tag
- d. <TITLE> tag

(ii) Which of the following are the attributes of <AUDIO> tag?

1

- a. autoplay
- b. src
- c. type
- d. All of these

(iii) What is the attribute of <SOURCE> tag?

1

- a. src
- b. type
- c. Both (a) and (b)
- d. height

- (iv) This attribute specifies the location of the audio file. 1
- a. loop
 - b. src
 - c. type
 - d. controls
- (v) Most commonly used audio format(s) is/are 1
- a. mp3
 - b. mp4
 - c. jpg
 - d. All of these
- (vi) What is the full form of src? 1
- a. Source
 - b. Service
 - c. Support Cast
 - d Specify Resource
- (vii) Which tag allows us to add a video to the webpage? 1
- a.
 - b. <audio>
 - c. <video>
 - d. autoplay

Part –B

All questions are compulsory. In case of internal choices , attempt any one.

- 16 What is the use of <sub> and <sup> tags. 2
- 17 Write the HTML code to display the following output 2

USER NAME :

OR

Write the HTML code to get the following list

- 1. Cucumber
- 2. Carrot

- 18 What is e-commerce? Mention any 2 types of e-commerce. 2
- 19 Write any two Factors that contribute Digital Divide. 2
- 20 Define Freedom of information. Mention any one advantage of FOI. 2
- 21 Write the HTML code to display the following text Har Ghar Tiranga with font face CALIBRI, size 4 and color GREEN. 3
- 22 What are the roles of Rowspan and Colspan attribute. Explain with suitable HTML example. 3

OR

Dimple, a web designer, wants to create a webpage to display a list where each item is listed by a number. Which type of list she should use? Explain the role of start and type attributes.

- 23 Define software license. What are the two types of software licenses? 3
- 24 Define the term Intellectual Property Rights. What are the different types of Intellectual property rights? 3
- 25 List any 3 ways to prevent PLAGIARISM. 3
- 26 5

SL NO.	NAME	CLASS	SEC
1	ANJU	X	A
2	JOHN		D
3	ZEENATH IX E		

Write the HTML code to design the above-shown table in a webpage considering the specifications as given below :

- a. Background color of the table should be pink & border attribute should be 7
- b. Table header tag should be used wherever required.
- c. The table should exactly contain 4 rows and 4 columns. The data in each cell should be as shown in the above table.
- d. Attribute rowspan should be used wherever required.
- e. Attribute colspan should be used wherever required.

OR

Write the HTML code to display the following

- a. SO_4
- b. A^3
- c. *Azadi Ka Amrit Mahotsav*
- d. **Artificial intelligence**
- e. Sustainable Development Goals (as Level1 heading)

******END OF THE QUESTION PAPER******

