Class: X Session: 2022-23 Computer Applications (Code 165) Marking Scheme (Theory)

Maximum Marks: 50 Time Allowed: 2 hours

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| QNO |  | Distribution  of marks | Total Marks |
| **Section A** | | | |
| 1 | (C) india.gov.in |  | 1 |
| 2 | (B) Full access rights for all users |  | 1 |
| 3 | (A) India.gov.in |  | 1 |
| 4 | (D) Public domain |  | 1 |
| 5 | (C) File transfer protocol |  | 1 |
| 6 | (A) SMTP client |  | 1 |
| 7 | (B) Tim Berners-Lee. |  | 1 |
| 8 | (A) Yes Explanation: Yes, the comments can be used to hide inline content. Here is the syntax, <p>Hello, world! <!—This is some text –> How are you?</p> |  | 1 |
| 9 | (A) <p> |  | 1 |
| 10 | (A) <html> |  | 1 |
| 11 | (B) Both A and R are true but R is not the correct explanation of A. |  | 1 |
| 12 | (C) A is true but R is false. |  | 1 |
| **Section - B** | | | |
| 13 | Answer: An electronic newspaper is a self-contained, reusable, and refreshable version of a traditional newspaper that acquires and holds information electronically. (The electronic newspaper should not be confused with newspapers that offer an online version at a Web site.) |  | 2 |
| 14 | Answer: Electronic mail (e-mail) is a computer-based application for the exchange of messages between users. A worldwide e-mail network allows people to exchange e-mail messages very quickly. E-mail is the electronic equivalent of a letter, but with advantages in timeliness and flexibility. OR Add a New Email Account Open the Gmail app and navigate to the Settings section. Tap Add account. Tap Personal (IMAP/POP) and then Next. Enter your full email address and tap Next.  Choose the type of email account you will be using. Enter the password for your email address and tap Next. |  | 2 |
| 15 | Answer: To make a hyperlink in an HTML page, use the <a> and </a> tags, which are the tags used to define the links. The <a> tag indicates where the hyperlink starts and the </a> tag indicates where it ends. Whatever text gets added inside these tags, will work as a hyperlink. Add the URL for the link in the <a href=” “>. | 1 mark for each point | 2 |
| 16 | Answer: Secure data transmission means applying enough technical safeguards so that the data travels safely to its target, without being compromised or eavesdropped. Some techniques are: (i) SSL secure data transmission (ii) Data encryption (iii) Using safe protocols e.g. SFTP OR   * Do not share user id and password with anyone. * Avoid doing transactions from cyber cafe and other public places.   Detailed Answer :   * Use bigger and strong password.   Do not use predictable passwords like mobile number, date of birth. |  | 2 |
| 17. | Answer: HTML and CSS are actually not technically programming languages; they’re just page structure and style information. |  |  |

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| --- | --- | --- | --- |
| 18 | Answer: (i) <table bgcolor=”Red”> (ii) <img src=” abc.jpeg”> OR The <a> tag defines a hyperlink, which is used to link from one page to another. The most important attribute of the <a> element is the href attribute, which indicates the link’s destination. | 1  1 | 2  2 |
| 19 | Answer: <!DOCTYPE html> <html> < style> table, th, td { border:1px solid black; } </style> <body> <h2>A basic HTML table</h2> <table style=”width:50%”> <tr> <th>Company</th> <th>Contact</th> </tr> <tr> <td>Alfreds Futterkiste</td> <td>Maria Anders</td> </tr> <tr> <td>Centro comercial Moctezuma</td> <td>Francisco Chang</td> </tr> </table> <p>To understand the example better, we have added borders to the table.</p> </body> </html> |  |  |
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| **Section – C** | | | |
| 20 | Answer: Government. The governments have started using the digital sign for their low cost and high security. Legal Offices. The legal offices handle some of the most cases sensitive documents in a country. Healthcare, Military. Manufacturing.A licensed Certifying Authority (CA) issues the digital signature. Certifying Authority (CA) means a person who has been granted a license to issue a digital signature certificate under Section 24 of the Indian IT-Act 2000. |  | 3 |
| 21 | Answer: ISP’s provide Internet in the following forms:  (i) Dial-up Connection: It uses a telephone line or cable to dial into an ISP and a modem attached to a computer. The ISP helps establish a modem to modem link, which is then routed to the internet. The user is connected temporarily to the internet through any service provider.  (ii) Broadband Connection: It is a high speed Internet access. Broadband connectivity doesn’t even disturb the telephone use. It carries both voice and data over a single wire. Voice uses the lower end of frequency spectrum while the data uses the higher end. The same telephone line is thus, split in two separate channels. Broadband connection speeds are measured in mbps (megabits of data per second). Broadband service is available in three ways:  (a) Cable Modem: It is the same connection that delivers cables. TV It is fast and reliable. (b) DSL (Digital Subscriber Line): It uses an existing phone line but the line for voice calls remains separate. (c) Satellite: It is used where cable modem and DSL broadband technologies are not available. It is slow and can be interrupted by bad weather.  (iii) Wireless Internet Connection: It involves the use of technologies such as Wi-Fi, WiMAX and satellites. The wireless technology uses radio or microwaves for transmission of data. |  | 3 |
| 22 | Answer: In HTML it is not mandatory to include a <head> tag inside the HTML document but in previous versions (4.0. 1) it was mandatory to include it. The tags like <title>, <meta> or <link> which are generally contained inside head will also work fine without the <head> tag or outside the <head> tag.  The title tag is an HTML code tag that allows you to give a web page a title. This title can be found in the browser title bar, as well as in the search engine results pages (SERP). It’s crucial to add and optimize your website’s title tags, as they play an essential role in terms of organic ranking (SEO). OR A checkbox (check box, tickbox, tick box) is a graphical widget that permits the user to make a binary choice, i.e. a choice between one of two possible mutually exclusive options. For example, the user may have to answer ‘yes’ (checked) or ‘no’ (not checked) on a simple yes/no question. HTML <input> tag  A checkbox is a form element that allows you to select multiple options from different available options. Checkboxes are created with the HTML <input> tag. It can be nested inside a <form> element or they can stand alone. They can also be associated with a form with the help of form attribute of the <input> tag. |  | 3  3 |
| 23 | Answer: Cryptocurrencies are digital assets people use as investments and for online purchases. You exchange real currency, like dollars, to buy “coins” or “tokens” of a certain kind of cryptocurrency. Market chaos, inflation, your future—work with a pro to navigate this stuff. The four major types include utility, payment, security, and stablecoins. There also are DeFi tokens, NFTs, and asset-backed tokens. Of all cryptocurrencies, the most common are utility and payment tokens |  | 3 |
| **Section – D** | | | |
| 24 | Answer: <!DOCTYPE html> <html> <body> <h2>Admission Form</h2> <p>Choose your favorite Web language:</ p> < form> <label for=”fname”>First name:</label><br> <input type=”text” id=”fname” name=”fname”><br> <label for=”lname”>Last name:</label><br> <input type=”text” id=”lname” name=”lname”><br> <input type=”radio” id=”html” name=”fav\_language” value=”HTML”> <label for=”html”>Sci</label><br> <input type=”radio”id=”css”name=”fav\_ language” value=”CSS”> <label for=”css”>Comm</label><br> <input type=”radio” id=”j avascript” name=”fav\_language” value=”JavaScript”> <label for=”javascript”>Hum</label><br> <input type=”submit” value=”Submit”> </form> </body> </html> OR <!DOCTYPE HTML> <!– This is how HTML comments look like –> <html> <!– the title will appear on the page-> <head> <title>Employee Interests Survey</ title> </head> <body> <!– as it is a survey form, we will need to submit the details, hence we use form –> <!– We can give absolute url, or relative url like /nextpage.jsp, and specify POST or GET method –> < form action=”http://google.co.in”> <!– If we remove this, every thing will move to the left of the page–> <div align=”center”> <!–Adds a heading to the form–> <h1>Employee Interests Survey form</ h1> Enter your name: <!– Input type text for small texts, specify size –> <input type=”text” name=”UserName” size=35 maxlength=35 value=””> <!–Adds spaces – remove and see what happens –> </br></br> Enter your department: <input type=”text” name=”Deptt” size=35 maxlength=35 value=””> </br> </br> Tell us a little about yourself: <!– For writing lot of text like descriptions with text wrapping, if you dont want text wrapping, you can add wrap = “off” (horizontal scrollbar <textarea name=”Comments” cols=30 rows=4></textarea> </br> </br> Do you exercise at home? <!– Radio buttons help you choose one out of the many values –> <input type=”radio” name=”exe” value=1>Yes <input type=”radio” name=”exe” value=2>No </p> How do you like to read about your favorite topics? <p> <!–Checkbox lets you select multiple options –> <input type=”checkbox” name=”Books”>Books <input type=”checkbox” name=”Web”>Online resources input type=”checkbox” name=”Phone”>Phone apps <input type=”checkbox”name=”Magazines “>Magazines </p> What genre of movies do you like? <!–Select box lets you choose one of the multiple dropdown options–> <select name=”moviepref” ><option> <option value=1 selected = ” true” >comedy <option value=2 >romance <option value=3 >thriller <option value=4 >horror <option value=5 >biopic </select> </br></br> <!–submits the information entered in the form by the user –> <input type=submit value=”Submit form”> </div> </form> </body> </html> |  |  |
| 25 | Section – E [4 Marks] |  |  |
|  | <!DOCTYPE html> <html> <head> <title>Page Title</title> </head> <body> <h2>Welcome </h2> < form> <p> <label>Username: <input type=”text”/></label> p> <label>Password:<input type=”password” /></label> </p> <p> <button type=”submit”>submit</button> </p> < /form> < /body> </html> |  |  |
| 26 | (i) Internet attitude (ii) Netiguitte (iii) Etiguette (iv) Offensive (v) Do not trust |  | 1 mark each |