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| ANSWER KEY |
| SL NO  | SECTION A |
| 1 | (b) Disc |
| 2 | (a) (i) and (ii) |
| 3 | (d) Detailed |
| 4 | (a) SSL |
| 5 | (d) All of these |
| 6 | (c) Availability |
| 7 | (a) <0L s t a rt ="3" > |
| 8 | (a) <INPUT> |
| 9 | (a) Merchant fraud |
| 10 | (b) <H6> |
| 11 | (d) Assertion (A) is false and Reason (R) is true. |
| 12 | (a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A). |

SECTION B

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| 13. | Any two points of comparison in between SMS and MMS:

|  |  |
| --- | --- |
| SMS | MMS |
| It stands for Short Messaging Service. | It stands for Multimedia Messaging Service. |
| It does not support multimedia content and it allows to send only text. | It supports multimedia content and allows to send images and videos along with text. |
| It allows message length up to 160 characters. | It allows message length up to 1600 characters. |
| It is less expensive. | It is more expensive |

 |
| 14. | **E-learning:** It is a method of obtaining knowledge through digital or, web-enabled gadgets like computers, laptops, tablets, or smartphones.**Advantages:**1. E-learning is self-paced. |
|  | 1. E-learning is student-centered.
2. E-Learning is cost-effective.
3. E-learning accommodates individual learning styles.

**OR****Role of e-governance in any country’s growth and development:**Now-a-days e-Governance has a major role in any country’s growth and development as properly designed and implemented, e-Government can improve efficiency in the delivery of government services, simplify compliance with government regulations, strengthen citizen participation and trust in government, and yield cost savings for citizens, businesses, and the government itself. |
| 15. | Two major points of comparison in between 3G and 4G mobile technologies:

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| --- | --- |
| 3G (3rd Generation) | 4G (4th Generation) |
| The maximum upload and download rate is 5 Mbps and 21 Mbps respectively. | The maximum upload and download rate is 500 Mbps and 1 Gbps respectively. |
| It uses a [packet switching](https://www.geeksforgeeks.org/difference-between-circuit-switching-and-packet-switching/) [technique.](https://www.geeksforgeeks.org/difference-between-circuit-switching-and-packet-switching/) | It uses message and [packet](https://www.geeksforgeeks.org/difference-between-circuit-switching-and-packet-switching/) [switching technique.](https://www.geeksforgeeks.org/difference-between-circuit-switching-and-packet-switching/) |
| Its frequency range is from1.8 GHz to 2.5 GHz. | Its frequency range is from 2 GHz to 8 GHz. |

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| 16. | Open-source software is a type of computer software that is released under a license, but the source code is made available to all the users to understand it, modify it or re-distribute it.Name of any two OSS: Linux, Firefox**OR****Intellectual property rights (IPR):** These are the rights granted to individuals over their original creative works such as inventions, literary and artistic work, designs and symbols, names, and images in commerce. These legal rights are granted through patents, copyrights, trademarks, geographical indications, etc. for a specified time period. |
| 17. | **Any two purposes of using comments while designing a HTML webpage:**1. With comments one can place notifications and reminders in the HTML code.
2. Comments are also great for debugging HTML, because you can comment out HTML lines of code, one at a time, to search for errors.
 |
| 18. | a. 1-ii, 2-iv, 3-i, 4-iii**OR****Any two attributes of <font> tag along with their purposes:** |

|  |  |
| --- | --- |
|  | **Size:** This attribute is used to adjust the size of the text in the HTML document. The range of size of the font in HTML is from 1 to 7 and the default size is 3.**Face:** Font type can be set by using face attribute with font tag in HTML document. But the fonts used by the user need to be installed in the system first.[**Color:**](https://www.geeksforgeeks.org/html-font-color-attribute/) Font color is used to set the text color using a font tag with the color attribute in an HTML document. Color can be specified either with its name or with its hex code. |
| 19. | CO<sub>2</sub>X<sup>2</sup> |

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| **SECTION C** |
| 20 | The digital divide is the unequal access to digital technology, including smartphones, tablets, laptops, and the internet in the society. Any two measures to overcome it: Increase affordability of digital technologies More focus on development of internet infrastructure  |
| 21 | a) HTTPS - Hypertext Transfer Protocol Secure(b) TCP -Transmission Control Protocol/Internet Protocol.(c) SSH.- Secure Socket Shell |
| 22 | The software that is owned by an individual or company who published it is known as the proprietary software. E.g.: Adobe Flash, MS Office The software that is available for anyone to access or change the code is known as Open Source software.E.g.: Open Office, Chrome.Buying and selling of goods and services over the internet is known as e-Commerce. |
| 23 | • Plagiarism: When you use another person's words or ideas and try to pass them off as your own. Two Steps to avoid plagiarism • Properly quote and paraphrase and add your own examples. • Always cite sources. |

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| **SECTION D** |
| 24 | **HTML code to design survey form:** <form> Name: <input type="text"><br> City: <br> <select size=3> <option>New Delhi</option> <option>Chennai</option> <option>Hydrabad</option> </select><br> Hobby: <br> Reading<input type="checkbox"> Writing<input type="checkbox"><br> Singing<input type="checkbox"> Dancing<input type="checkbox"> </form> **OR** **HTML code to design given html page:** <html> <body> <table border=1> <tr> <th colspan=3> SKILL WORKSHOPS </th> </tr> <tr> <th>SNO</th> <th>SKILL</th> <th>DAYS</th> </tr> <tr> <td>1</td> <td>Communication Skills</td> <td>Monday, Wednesday</td> </tr> <tr> <td>2</td> <td>Art & Craft</td> <td>Tuesday, Friday</td> </tr> <tr> <td>3</td> <td>Personality Development</td> <td>Wednesday, Saturday</td> </tr> </table></body></html>  |

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| **SECTION E** |
| 25 | 1) b, 2)c 3),b, 4)b, 5)c |
| 26 | 1. **Any two netiquettes:**
	* We should not violate copyright
	* We should share our expertise with others on the network
2. No its not the right act. This act is called plagiarism.
3. **Any two common E-commerce frauds:**
	* Identity Theft
	* Phishing
4. **Any two precautions to be taken while using E- commerce:**
	* Use updated antivirus software

Always ensure to check https in the web address |