

CBSE | DEPARTMENT OF SKILL EDUCATION

WEB APPLICATION (SUBJECT CODE 803)

CLASS XI (SESSION 2021-2022) BLUE-PRINT FOR SAMPLE QUESTION PAPER FOR TERM -1

Max. Time Allowed: 90 Minutes (1½ Hrs.)

Max. Marks: 30

PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS (1 MARK EACH)
1	Communication Skills-III	2
2	Self-Management Skills-III	2
3	Information and Communication Technology Skills-III	2
TOTAL QUESTIONS		6 Questions
NO. OF QUESTIONS TO BE ANSWERED		Any 5 Questions
TOTAL MARKS		1 x 5 = 5 marks

PART B - SUBJECT SPECIFIC SKILLS (25 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS (1 MARK EACH)
1	Basics of Networking and Web Architecture	12
2	Website Development using HTML and CSS	20
TOTAL QUESTIONS		32 Questions
NO. OF QUESTIONS TO BE ANSWERED		25 Questions
TOTAL MARKS		1 x 25 = 25 MARKS

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Max. Time Allowed: 90 Minutes (1½ Hrs.)

Max. Marks: 30

General Instructions:

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
4. Section B is of 20 marks and has 25 questions on Subject Specific Skills.
5. Section C is of 05 marks and has 07 competency-based questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.
8. All questions must be attempted in the correct order

SECTION A

Answer any 5 questions out of the given 6 questions on Employability Skills

(1 x 5 = 5 marks)

1.	Posture is a Non-Verbal Communication. It includes _____ . a. Body movements that express an idea or meaning. b. Facial expression. c. Both a and b are True d. Both a and b are False	1
2.	If you have not understood a task given to you, which question should you ask? a. Where are the reports of this task? b. Can you repeat the instructions for this task? c. Can you give me an example of this task? d. Why are you doing this task?	1
3.	Ram goes to school without taking a bath. He washes his face and changes his clothes. a. Everyone does the same. So, it hardly matters. b. It doesn't matter until he smells bad. c. He should clean his body to not only look neat but also for personal hygiene. d. It is ok as he doesn't sit near the teacher.	1

4.	If you want to work in a Team, you must _____. a. Understand your role properly. b. Understand your role properly and do not accept responsibility for mistakes. c. Understand your role properly and discuss issues with team mates. d. We can take up any role we wish without any discussions in a group.	1
5.	The word “friendship” is to be changed in the entire document by the name “companionship”. Which of the following options will be the easiest way to do so? a. Find and replace b. Replace all c. Ctrl+C, Ctrl+V d. Ctrl+X, Ctrl+V	1
6.	A way to correct the spellings and grammar is to select the underlined text and right-click. The above statement will : a. Correct all in the document. b. Display a shortcut menu for Spell checker. c. Auto-correct the word. d. Erase the word.	1

SECTION B

Answer any 20 questions out of the given 25 questions

(1 x 20 = 20 marks)

7.	Home Wi-fi networks and small business networks are examples of: a. LAN b. MAN c. WAN d. PAN	1
8.	Which of the following devices would you suggest to be implemented for connecting computers within office units of a school? a. Switch/Hub b. Modem c. Repeater d. Gateway	1
9.	Charmi makes audio and video calls using WhatsApp, FaceBook Messenger, Skype, Google Duo, Zoom etc. to greet her friends and relatives. This enables her to see them when she is unable to travel to meet them. Which technology is she using? a. IM b. VoIP c. E-mail d. None of the above	1

10.	<p>This topology has a long cable, called Backbone Cable/Backbone. Identify the topology.</p> <ol style="list-style-type: none"> Star Topology Ring Topology Bus Topology Mesh topology 	1
11.	<p>MySQL, Oracle, PostgreSQL, Microsoft SQL Server, MongoDB, etc. are examples of 3-tier architecture. Choose the statement which stands false for a 3-tier architecture.</p> <ol style="list-style-type: none"> Data is accessed by the application layer via API calls. It is a well-established software application architecture that organizes applications into three logical and physical computing tiers It is a software architecture in which a presentation layer or interface runs on a client, and a data layer or data structure gets stored on a server. The client-server-database architecture is a 3-tier architecture 	1
12.	<p>Rohit found a new mobile being launched on Amazon. He purchased it in an exchange offer. The Mobile was delivered and the delivery agent took the old mobile for an exchange. Which of the following should be done for data protection?</p> <ol style="list-style-type: none"> Logout of all E-mail ID's . Log out of all social media accounts and delete the applications. Delete all the saved usernames and passwords in Web Browsers All of the above 	1
13.	<p><i>Dynamic Websites are used over Static Websites.</i></p> <ol style="list-style-type: none"> Updates can be done very easily in Dynamic websites by easy interactions with databases. Dynamic website is faster than Static website and content gets loaded faster. <p>Choose the correct justification to the statement given above:</p> <ol style="list-style-type: none"> Only A Only B Both A & B Neither A nor B 	1
14.	<p>Your school has asked you to design a feedback form for your school's website. The following pseudocode is written:</p> <pre> <html> <head><title> My page </title></Head><body> <H1><U> FEEDBACK FORM</u></h1>Statement 1 . . </body> </html> </pre>	1

	<p>Referring to the code given above answer the question: In order to change the size of heading in <i>Statement 1</i> which statement will be used.</p> <p>Choose as per the correct justification.</p> <ol style="list-style-type: none"> <h2> ... </h2> for bigger size <h6>..... </h6> for smaller size <h6>..... </h6> for bigger size <h2> ... </h2> for smaller size 	
<p>15.</p>	<pre><html> . . . <Form method=Post action= "mailto:contact_admin@gmail.com"> Name <Input type=Textname="st_name">
Statement 2 . . . </html></pre> <p>Which of the following statements in place of <i>Statement 2</i> will give you the correct output without generating any error?</p> <ol style="list-style-type: none"> <Form method=Post action= "mailto:contact_admin@gmail.com"> Name <Input type=Textname="st_name">
 <Form method=Post action= "mailto:contact_admin@gmail.com"> Name <Input type=Textname="st_name">
 <Form method=Post action= mailto:contact_admin@gmail.com > Name <Input type=Textname="st_name">
 There is no error in <i>Statement 2</i> 	<p>1</p>
<p>16.</p>	<p>Your school want check boxes to be included to choose between the streams: Science, Commerce and Arts for filling feedback form. Which of the following code will help you get the desired output?</p> <ol style="list-style-type: none"> <Input type=CHECKBOX value= "Science"> <Input type=CHECKBOX value="Commerce"> <Input type=CHECKBOX value="Arts"> <Input type=CHECKBOX value="Science"> Science <Input type=CHECKBOX value="Commerce"> Commerce <Input type=CHECKBOX value="Arts"> Arts <Input type=CHECKBOX value> Science <Input type=CHECKBOX value> Commerce <Input type=CHECKBOX value> Arts None of the above 	<p>1</p>
<p>17.</p>	<p>Which code should be written to insert a comment line?</p> <ol style="list-style-type: none"> <!-- --> <--! --!> <!-- --!> <!-- !> 	<p>1</p>

18.	<p>Referring to the code given below: <code> Top </code> Which type of linking does it exhibit?</p> <ol style="list-style-type: none"> Internal Linking External Linking Web Link None of the above 	1
19.	<p>A multiport intelligent device used for connecting two or more local area networks which exercise discretion while forwarding data to the outgoing line leading to the destination.</p> <ol style="list-style-type: none"> Switch Bridge Hub Router 	1
20.	<pre> <!DOCTYPE html> <html> <head> <style> body {background-color: powderblue;} h1 {color: blue;} p {color: red;} </style> </head> <body> <h1>This is a heading</h1> <p>This is a paragraph.</p> </body> </html> </pre> <p>To convert the above code to an external style sheet what changes are required?</p> <ol style="list-style-type: none"> add a link to it in the <head> section of each HTML page add a link to it in the <title> section of each HTML page add a link to it in the <body> section of each HTML page None of the above 	1
21.	<p>Aryan plays online games. He plays it with online friends who are strangers to him in multiplayer games. One of the player named “The changer” becomes his good companion. They both, together, win multiple games. Thus, become very good friends. “The changer” asks him to meet him at a place in their colony.</p> <p>What should Aryan do?</p> <ol style="list-style-type: none"> He should be happy his friend called him up to meet him. He should ask him to come to his house instead of going there. He should immediately inform his parents and agree not to go to meet him. He should not inform anyone. 	1

22.	<p>Which of the following type of data, phishers cannot steal from its target?</p> <ul style="list-style-type: none"> a. Bank details b. Phone numbers c. Passwords d. Apps installed in the mobile 	1																								
23.	<p>You want to complete the pseudo class for link elements so that the links appear red when the page loads, green when the link is clicked, orange when the cursor moves over the link, and blue if the link was clicked previously.</p> <p>How should you complete the code?</p> <table border="1" data-bbox="239 510 1326 788"> <tr> <td data-bbox="239 510 759 582">1.</td> <td data-bbox="759 510 1326 582">(;color:red)</td> </tr> <tr> <td data-bbox="239 582 759 651">2.</td> <td data-bbox="759 582 1326 651">(;color:blue)</td> </tr> <tr> <td data-bbox="239 651 759 721">3.</td> <td data-bbox="759 651 1326 721">(;color:orange)</td> </tr> <tr> <td data-bbox="239 721 759 788">4.</td> <td data-bbox="759 721 1326 788">(;color:green)</td> </tr> </table> <p>a.</p> <table border="1" data-bbox="316 831 759 1108"> <tr><td>a:hover</td></tr> <tr><td>a:active</td></tr> <tr><td>a:link</td></tr> <tr><td>a:visited</td></tr> </table> <p>b.</p> <table border="1" data-bbox="316 1151 759 1429"> <tr><td>a:visited</td></tr> <tr><td>a:link</td></tr> <tr><td>a:active</td></tr> <tr><td>a:hover</td></tr> </table> <p>c.</p> <table border="1" data-bbox="316 1471 759 1749"> <tr><td>a:link</td></tr> <tr><td>a:visited</td></tr> <tr><td>a:hover</td></tr> <tr><td>a:active</td></tr> </table> <p>d.</p> <table border="1" data-bbox="316 1792 772 2069"> <tr><td>a:active</td></tr> <tr><td>a:hover</td></tr> <tr><td>a:visited</td></tr> <tr><td>a:link</td></tr> </table>	1.	(;color:red)	2.	(;color:blue)	3.	(;color:orange)	4.	(;color:green)	a:hover	a:active	a:link	a:visited	a:visited	a:link	a:active	a:hover	a:link	a:visited	a:hover	a:active	a:active	a:hover	a:visited	a:link	1
1.	(;color:red)																									
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a:visited																										
a:link																										

<p>24.</p>	<p>You are designing a website for City Power & Light. You write the following markup. Line numbers are included for reference only.</p> <ol style="list-style-type: none"> 1.<!DOCTYPE html> 2.<html> 3.<head> 4. <title> City Power and light </title> 5.</head> 6.<body> 7. <p>Welcome to City Power & Light </p> 8.</body> 9.</html> <p>What style will be used to render the code?</p> <p>A. The browser default style will be used.</p> <p>B. An inline style will be used.</p> <ul style="list-style-type: none"> ● C. An international style will be used. ● D. An external style will be used. 	<p>1</p>
<p>25.</p>	<p>There are five types of alignment which can be applied on the image are as follows:</p> <p>Left Right Top Bottom Middle</p> <p>Statement 1: By default, images are left aligned. Statement 2: The image with the top and bottom alignment will be set at the top of the line or bottom of the line.</p> <p>Which of the following are true:</p> <ol style="list-style-type: none"> a. Statement 1 is True b. Statement 2 is True. c. Statement 1 is true if Statement 2 is not declared anywhere in the code. d. Statement 1 and 2 are False. 	<p>1</p>
<p>26.</p>	<p>Statement: The TYPE attribute determines the field type of input field to be provided in the form.</p> <ol style="list-style-type: none"> a. Type is the attribute of INPUT element b. It cannot accept Image and Files. c. Only A is True d. Only B is True 	<p>1</p>

27.	<p><code>p[lang="fr"]</code></p> <p>Statement 1: This selects all paragraph elements whose lang attribute contains the word "fr"</p> <p>Statement 2: Selects all paragraph elements whose lang attribute has a value of exactly "fr"</p> <ol style="list-style-type: none"> Both Statement 1 and 2 are correct but the given code is erroneous. Only statement 1 is correct for the given code. Only statement 2 is correct for the given code. Both the statements are correct for the given code. 	1
28.	<p><code><style>...</style></code></p> <ol style="list-style-type: none"> The tag will override rules defined in any external style sheet file even when declared in the Inline style sheets. Inline style sheets take the highest priority. So, it will override any rule defined in the above tags or rules defined in any external style sheet file. The tag will not override rules defined in any external style sheet file. Inline style sheets have least priority. 	1
29.	<p>For publishing on a Website which of the following statements stands True.</p> <ol style="list-style-type: none"> To place your pages on the web you need a web server. To place your pages on the web you need a web server. Commonly called hosts, web servers allow you to transfer and store files including HTML documents only. To place your pages on the web you need not have a web server. Unless you have your own web server, you need to find a server to host your pages 	1
30.	<p>You are designing a webpage that is divided into several sections. Each section has a heading and a one-line quote.</p> <p>The following example shows the top section rendered by using the browser default styles:</p> <div data-bbox="327 1422 1246 1738" style="border: 1px solid black; padding: 20px; text-align: center;"> <p>Quote from Yesterday</p> <p>Tomorrow is not promised</p> </div> <p>You need to complete the markup for the top section using the appropriate HTML tags. Choose the appropriate tag from the given options:</p> <ol style="list-style-type: none"> <pre><div> <h1> Quote from yesterday </h1> <p> Tomorrow is not promised </p></pre> <pre> <p>Quote from yesterday<p/> <h1>Tomorrow is not promised</h1></pre> 	

	<p>c. <code><h1></code> <code>Quote from yesterday</code> <code><div>Tomorrow is not promised</div></code></p> <p>d. None of the above</p>	
31.	<p>.....is a connecting device used to interlink computers with the network. These cards are of two types: Internal network cards External network cards</p> <p>a. Network Interface Card b. RJ 45 jack c. Power plug d. HDMI</p>	1

SECTION C
(COMPETENCY BASED QUESTIONS)

Answer any 5 questions out of the given 6 questions

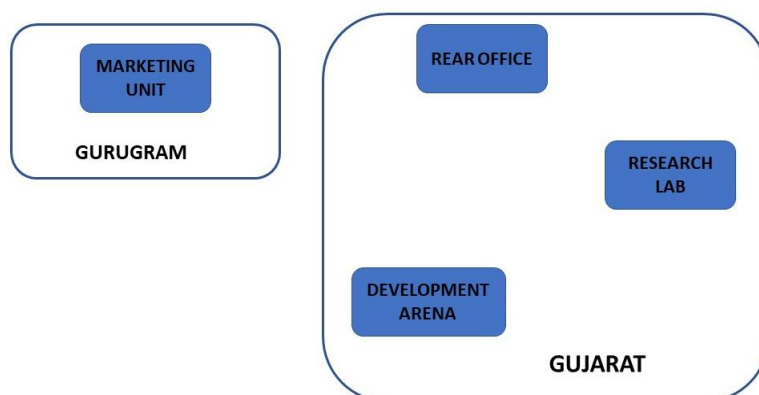
(1 x 5 = 5 marks)

32.	<p>You are creating a web form to allow visitors to sign up for a mailing list. The form will collect the information that is shown in the following screenshot:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Alpine Ski House Mailing List</p> <p style="text-align: center;">Join our mailing list now.</p> <p>First name: <input type="text"/></p> <p>Last name: <input type="text"/></p> <p>E-mail: <input type="text"/></p> <p>A <input type="checkbox"/> I wish to subscribe to the Alpine Ski House mailing list.</p> <p>B Frequency of email promotions: <input checked="" type="radio"/> Daily <input type="radio"/> Weekly <input type="radio"/> Monthly</p> <p>C <input type="button" value="Submit"/> <input type="button" value="Reset"/></p> </div> <p>Select the answer choice that answers the question based on the information presented in the screenshot.</p> <p>Which code segment will display the form element labelled A?</p> <p>a. <code><input type="radio" name="firstname"></code> b. <code><input type="text" name="checkbox"></code> c. <code><input type="checkbox" name="subscribe" value="Yes"></code> d. <code><input type="text" name="Yes"></code></p>	1
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33.

"Avion Industry" is planning to expand its network in India. The company is planning for setting up its main Office in Gujarat. Since it is a Research and Development industry, it wants to set up three main offices named "Rear Office ", "Research Lab " and "Development Arena ". This company also has its marketing office in Gurugram named "Marketing Unit ". A rough layout is given below:

1



Approximate distance between these offices is as follows:

FROM	TO	DISTANCE
Rear Office	Research Lab	110 mtr
Rear Office	Development Arena	16 km
Rear Office	Marketing Unit	1800 km
Research Lab	Development Arena	13 km

Pertaining to the research involved, the company also wants to install systems in each office as given below:

Rear Office	55
Research Lab	220
Development Arena	88
Marketing Unit	76

Refer to the data to answer the following:

Suggest the kind of network required for connecting each of the office units:

a. Rear Office and Research Lab

- i. LAN
- ii. MAN
- iii. WAN
- iv. PAN

b. Rear Office and Development Arena

- i. LAN
- ii. MAN
- iii. WAN
- iv. PAN

34.	<p>Statement 1: A relative link requires that you use a protocol and server path.</p> <p>Statement 2: You can use a relative link to reference images files from a repository on a different server.</p> <ol style="list-style-type: none"> Statement 1 is True. Statement 2 is True Both the statements are True Both the statements are False 	1																
35.	<p>Dr. Navjot has a beautiful idea of integrating Artificial Intelligence into Cyber Security to protect individuals from spam messages. She has safeguarded her idea by proposing the correct method to the authorities. Which of the following method she must have chosen?</p> <ol style="list-style-type: none"> Patent Copyright Trademark License 	1																
36.	<p>The following statements are given according to CSS. Select the statement which is True.</p> <ol style="list-style-type: none"> Percent and EM are relative measurements and the size of each depends on its parent. Pixels are recommended units for specifying size. The font-family attribute helps ensure maximum compatibility between two browsers. A CSS comment starts with /* and ends with */ 	1																
37.	<p>You are defining CSS classes to style text in your HTML document.</p> <p>You need to format section titles to look like the following example:</p> <div data-bbox="405 1214 991 1404" style="border: 1px solid black; text-align: center; padding: 10px; margin: 10px auto; width: fit-content;"> <h1>Section Title</h1> </div> <p>Which CSS attributes should you use to define each setting?</p> <p>a.</p> <table border="1" data-bbox="293 1498 1289 1774"> <tr> <td>Arial</td> <td>font-style</td> </tr> <tr> <td>Italic</td> <td>font-family</td> </tr> <tr> <td>100</td> <td>font-size</td> </tr> <tr> <td>Large</td> <td>font-weight</td> </tr> </table> <p>b.</p> <table border="1" data-bbox="312 1818 1302 2087"> <tr> <td>Arial</td> <td>font-family</td> </tr> <tr> <td>Italic</td> <td>font-style</td> </tr> <tr> <td>100</td> <td>font-weight</td> </tr> <tr> <td>Large</td> <td>font-size</td> </tr> </table>	Arial	font-style	Italic	font-family	100	font-size	Large	font-weight	Arial	font-family	Italic	font-style	100	font-weight	Large	font-size	1
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Arial	font-family																	
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100	font-weight																	
Large	font-size																	

c.

Arial	font-size
Italic	font-weight
100	font-family
Large	font-style

d.

Arial	font-weight
Italic	font-style
100	font-size
Large	font-family

38

You are building a website and want to have three main links called Home, Product Info, and Contact Us. You will create a hierarchy of page elements and revise the stylesheets.

You want to apply a style to all elements in a document.

Which type selector should you use?

- a. +
- b. >
- c. :
- d. *

1