

# CBSE | DEPARTMENT OF SKILL EDUCATION

## WEB APPLICATIONS (SUBJECT CODE - 803)

**Blue-print for Sample Question Paper for Class XII (Session 2023-2024)**

Max. Time: 3 Hours

Max. Marks: 60

**PART A - EMPLOYABILITY SKILLS (10 MARKS):**

| UNIT NO.                               | NAME OF THE UNIT          | OBJECTIVE TYPE QUESTIONS | SHORT ANSWER TYPE QUESTIONS | TOTAL QUESTIONS |
|--|---------------------------|--------------------------|-----------------------------|-----------------|
|  |                           | 1 MARK EACH              | 2 MARKS EACH                |                 |
| 1.                                     | Communication Skills-IV   | 1                        | 1                           | 2               |
| 2.                                     | Self-Management Skills-IV | 2                        | 1                           | 3               |
| 3.                                     | ICT Skills-IV             | 1                        | 1                           | 2               |
| 4.                                     | Entrepreneurial Skills-IV | 1                        | 1                           | 2               |
| 5.                                     | Green Skills-IV           | 1                        | 1                           | 2               |
| <b>TOTAL QUESTIONS</b>                 |                           | <b>6</b>                 | <b>5</b>                    | <b>11</b>       |
| <b>NO. OF QUESTIONS TO BE ANSWERED</b> |                           | <b>Any 4</b>             | <b>Any 3</b>                | <b>07</b>       |
| <b>TOTAL MARKS</b>                     |                           | <b>1 x 4 = 4</b>         | <b>2 x 3 = 6</b>            | <b>10 MARKS</b> |

**PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):**

| UNIT NO.                               | NAME OF THE UNIT   | OBJECTIVE TYPE QUESTIONS | SHORT ANS. TYPE QUES.- I | SHORT ANS. TYPE QUES.- II | DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS | TOTAL QUESTIONS |
|--|--|--------------------------|--------------------------|---------------------------|---------------------------------------|-----------------|
|  |  | 1 MARK EACH              | 2 MARKS EACH             | 3 MARKS EACH              | 4 MARKS EACH                          |                 |
| 1                                      | Movie Editing Tools  | 6                        | -                        | 1                         | 1                                     | 8               |
| 2                                      | Customizing and Embedding Multimedia components in Web Pages | 10                       | 1                        | -                         | 1                                     | 12              |
| 3                                      | Web Scripting – JavaScript                                   | 9                        | 3                        | 1                         | 3                                     | 16              |
| 4                                      | Work Integrated Learning IT – WA-II                          | 7                        | 1                        | 1                         | -                                     | 9               |
| <b>TOTAL QUESTIONS</b>                 |  | <b>32</b>                | <b>5</b>                 | <b>3</b>                  | <b>5</b>                              | <b>45</b>       |
| <b>NO. OF QUESTIONS TO BE ANSWERED</b> |  | <b>26</b>                | <b>Any 3</b>             | <b>Any 2</b>              | <b>Any 3</b>                          | <b>34</b>       |
| <b>TOTAL MARKS</b>                     |  | <b>1 x 26 = 26</b>       | <b>2 x 3 = 6</b>         | <b>3 x 2 = 6</b>          | <b>4 x 3 = 12</b>                     | <b>50 MARKS</b> |

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## WEB APPLICATIONS (SUBJECT CODE - 803)

### Sample Question Paper for Class XII (Session 2023-2024)

Max. Time: 3 Hours

Max. Marks: 60

#### General Instructions:

- Please read the instructions carefully.
- This Question Paper consists of **24 questions** in two sections – Section A & Section B.
- Section A has Objective type questions whereas Section B contains Subjective type questions.
- **Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.**
- All questions of a particular section must be attempted in the correct order.
- **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
  - i. This section has 06 questions.
  - ii. There is no negative marking.
  - iii. Do as per the instructions given.
  - iv. Marks allotted are mentioned against each question/part.
- **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
  - i. This section contains 18 questions.
  - ii. A candidate has to do 11 questions.
  - iii. Do as per the instructions given.
  - iv. Marks allotted are mentioned against each question/part.

## SECTION A: OBJECTIVE TYPE QUESTIONS

| <b>Q. 1</b> | <b>Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)</b>   |          |
|-------------|--|----------|
| <b>i.</b>   | Which of the following is a way to become result oriented?<br>(a) spend holidays with family and friend<br>(b) spend a lot of time to enjoy<br>(c) prepare an action plan<br>(d) relax and do yoga.  | <b>1</b> |
| <b>ii.</b>  | Which one of the following does not help to overcome personality disorder.<br>(a) talk to someone<br>(b) look after one's physical health<br>(c) Positive attitude<br>(d) Stay alone at home   | <b>1</b> |
| <b>iii.</b> | Ms. Rita is preparing result of her class in a spreadsheet. She wants to arrange data in the decreasing order of total marks obtained by the students. Suggest a suitable tool in Spreadsheet that can help her out.   | <b>1</b> |
| <b>iv.</b>  | Which communication style focuses on the feelings and emotions of the communicator?<br>a) Passive<br>b) Aggressive<br>c) Assertive<br>d) Reflective  | <b>1</b> |
| <b>v.</b>   | Which one of the following is not a characteristic of entrepreneurship?<br>a) It is an economic activity done to create, develop and maintain a profit-oriented organization.<br>b) It deals with optimisation in utilization of resources.<br>c) It avoids any kind of risk in business<br>d) It is the ability of an enterprise and an entrepreneur to take risks. | <b>1</b> |
| <b>vi.</b>  | 2. Which of the following skills is NOT considered a green skill?<br>a) Renewable energy technology<br>b) Sustainable agriculture<br>c) Financial management<br>d) Waste management and recycling  | <b>1</b> |

| <b>Q. 2</b> | <b>Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)</b>  |          |
|-------------|---|----------|
| <b>i.</b>   | VirtualDub has _____ capabilities for processing large numbers of files and can be extended with third-party video filters. True / false)<br>a) image processing<br>b) batch processing<br>c) multiprogramming<br>d) volume data  | <b>1</b> |
| <b>ii.</b>  | _____ can create 2D & 3D special effects and can work in two modes – as a standalone application which would appeal for home users/beginners, and as a “plug-in” to video editors/NLEs which would be more useful for professional editors. (WAX / Windows Movie Maker) | <b>1</b> |

|             |   |                      |
|-------------|---|----------------------|
| <b>iii.</b> | Select the appropriate video editing tools that can capture video by a number of ways, including one-frame-per-minute (web camera) option, workaround 2 GB file size limit, send the videos to printer, heavy compress it and post to the webpage.<br>a) Cinefx<br>b) Movie Maker<br>c) AVIedit<br>d) Videospin   | <b>1</b>             |
| <b>iv.</b>  | _____ is the simplest and fastest tool in its category which has ability to extract long VOB clips in few seconds<br>a) Zwei-Stien Video Editor:<br>b) AVITricks Video Editor<br>c) DVDKnife<br>d) AVI Trimmer  | <b>1</b>             |
| <b>v.</b>   | In movie maker, we can drag clips, transitions, or effects from the _____. Which one of the following is not seen in the Content Pane of Windows Movie Maker?<br>a) effects<br>b) transitions<br>c) folders<br>d) clips   | <b>1</b>             |
| <b>vi.</b>  | Acronym AVI stands for _____  | <b>1</b>             |
| <b>vii.</b> | Which of the following statements is not true about multimedia?<br>a. Multimedia has found a variety of applications right from entertainment to education.<br>b. Multimedia is the media that uses multiple forms of information content and information processing<br>c. Multimedia is similar to traditional media like fine art.<br>d. Evolution of internet has also increased the demand for multimedia content | <b>1</b><br><b>2</b> |

|             |   |          |
|-------------|---|----------|
| <b>Q. 3</b> | <b>Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)</b>  |          |
| <b>i.</b>   | Manish has downloaded a file "Solarenergy.mp3". identify whether the file is a multimedia file or graphics file.                                      | <b>1</b> |
| <b>ii.</b>  | Which of the following is not a web browser?<br>a. Opera<br>b. Mosaic<br>c. EPS<br>d. MIE   | <b>1</b> |
| <b>iii.</b> | Vinita has converted a GIF file into jpeg format? Determine which one is lossy and lossless image file format. .                                      | <b>1</b> |
| <b>iv.</b>  | Movies consist of a series of _____ sometimes with embedded audio information.<br>a. Audio files<br>b. still images,<br>c. web files<br>d. word files | <b>1</b> |

|             |  |          |
|-------------|--|----------|
| <b>v.</b>   | Which of the following program over the web runs sound card?<br>a. midi file<br>b. presentation<br>c. html<br>d. image                           | <b>1</b> |
| <b>vi.</b>  | .cgm ( Computer Graphic Metafile) is an example of _____ graphic.( Raster/ Vector)   | <b>1</b> |
| <b>vii.</b> | Free Video Coding is an online service which helps us to create a _____<br>a. image files<br>b. web video player<br>c. movies<br>d. movie editor | <b>1</b> |

|             |  |          |
|-------------|--|----------|
| <b>Q. 4</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>   |          |
| <b>i.</b>   | What is WHAM?  | <b>1</b> |
| <b>ii.</b>  | An IFF is a _____ file playable on Pentium computers.<br>a. video<br>b. sound<br>c. image<br>d. animated   | <b>1</b> |
| <b>iii.</b> | JavaScript was developed in 1995 by _____.<br>a. Microsoft<br>b. Brendan Eich<br>c. Mark Zuckerberg<br>d. Larry Page   | <b>1</b> |
| <b>iv.</b>  | Consider the JavaScript code given below and write necessary code to alert the browser that the code following this is in JavaScript.<br><script type=_____ src="simples.js"></script> | <b>1</b> |
| <b>v.</b>   | Give a statement in JavaScript to declare a float variable 'percent' and initialize it with value 74.75.   | <b>1</b> |
| <b>vi.</b>  | Write an expression in JavaScript to display "Good Morning "Message" using console object.   | <b>1</b> |

|             |  |          |
|-------------|--|----------|
| <b>Q. 5</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>   |          |
| <b>i.</b>   | Select the option that shows correct value for content of array a after execution of the JavaScript code snippet given below:<br>var a = ["Pen", "Eraser", "Ruler", "Sharpener"]<br>a[4]="Pencil"<br><br>a. ["Pen", "Eraser", "Ruler", "Pencil"]<br>b. ["Pen", "Eraser", "Ruler", "Pencil", "Sharpener"]<br>c. ["Pen", "Eraser", "Ruler", "Sharpener", "Pencil"]<br>d. ["Pen", "Eraser", "Ruler", "Sharpener"] | <b>1</b> |
| <b>ii.</b>  | How many times will the following loop run<br>for(c = 1; c < 20; c=c+5) {<br>document.write("C : " + c);<br>document.write("<br />");<br>}   | <b>1</b> |

|             |   |          |
|-------------|---|----------|
| <b>iii.</b> | To import scripts from external JavaScript files, save the code in a text file with the .js extension without the _____ and comments.<br>a. filename<br>b. javascript code<br>c. script tags<br>d. images   | <b>1</b> |
| <b>iv.</b>  | Consider the following JavaScript code and predict the output:<br><html> <body><br><p id="demo"></p><br><script><br>function myFunction(x,y)<br>{ return x+y; }<br>document.getElementById("demo").innerHTML=myFunction(15,8);<br></script></body></html> | <b>1</b> |
| <b>v.</b>   | Assume variable A holds 2 and variable B holds 3 then output of (A   B) is _____.   | <b>1</b> |
| <b>vi.</b>  | Expand the terms:<br>a. FPSE<br>b. IIS  | <b>1</b> |

|             |   |          |
|-------------|---|----------|
| <b>Q. 6</b> | <b>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</b>  |          |
| <b>i.</b>   | _____ refers to the process that affects the website visibility or ranking when displaying search results.  | <b>1</b> |
| <b>ii.</b>  | _____ feature of MEW is used to update the image whenever the original image is updated.<br>a. Update from Source<br>b. Update PSD<br>c. Update Image<br>d. Link with Source  | <b>1</b> |
| <b>iii.</b> | While designing a web apge, a proper balance must be maintained between____<br>a. simplicity and page length.<br>b. visual design and code<br>c. code and simplicity<br>d. visual design and animation                  | <b>1</b> |
| <b>iv.</b>  | In order to have fixed positions for common elements and modifiable designated portions on each web page, one can use _____<br>a. Design Web Page<br>b. Dynamic Web Template<br>c. Draw Template<br>d. Defined Template | <b>1</b> |
| <b>v.</b>   | Every form should have a _____ button to input the data entered in a form to the server.<br>a. text box.<br>b. checkbox<br>c. submit<br>d. Dropdown list  | <b>1</b> |

|            |  |          |
|------------|--|----------|
| <b>vi.</b> | Description can be added to a web page using _____ tags.<br>a. BODY<br>b. META<br>c. DATA<br>d. FORM | <b>1</b> |
|------------|--|----------|

## **SECTION B: SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks)**

**Answer each question in 20 – 30 words.**

| <b>Q. 7</b>  | Name two types of motivation with an example   | <b>2</b>       |     |       |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
|--------------|--|----------------|-----|-------|--------|---|---|---|----------------|--|--|--|--|---|-------|------|-----|-------|--------|---|---|----------|----|----|--|---|---|----------------|---|----|--|---|---|---------|----|----|--|---|---|--------|----|---|--|---|---|---------|-----|----|--|---|---|------------|----|----|--|---|---|-------|-----|----|--|----------|
| <b>Q. 8</b>  | Describe the role of body language in communication. Provide examples of how body language can complement or contradict verbal messages.   | <b>2</b>       |     |       |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| <b>Q. 9</b>  | <p><b>Consider the following worksheet:</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 20%;">A</th> <th style="width: 20%;">B</th> <th style="width: 20%;">C</th> <th style="width: 20%;">D</th> <th style="width: 20%;">E</th> </tr> </thead> <tbody> <tr> <td>1</td> <td colspan="5">ABC Stationers</td> </tr> <tr> <td>2</td> <td>S.NO.</td> <td>ITEM</td> <td>QTY</td> <td>PRICE</td> <td>AMOUNT</td> </tr> <tr> <td>3</td> <td>1</td> <td>REGISTER</td> <td>10</td> <td>68</td> <td></td> </tr> <tr> <td>4</td> <td>2</td> <td>SHORT NOTEBOOK</td> <td>3</td> <td>35</td> <td></td> </tr> <tr> <td>5</td> <td>3</td> <td>STEPLAR</td> <td>25</td> <td>80</td> <td></td> </tr> <tr> <td>6</td> <td>4</td> <td>ERASER</td> <td>50</td> <td>5</td> <td></td> </tr> <tr> <td>7</td> <td>5</td> <td>GEL PEN</td> <td>100</td> <td>10</td> <td></td> </tr> <tr> <td>8</td> <td>6</td> <td>GLUE STICK</td> <td>15</td> <td>25</td> <td></td> </tr> <tr> <td>9</td> <td>7</td> <td>COVER</td> <td>150</td> <td>12</td> <td></td> </tr> </tbody> </table> <p>A. Write the formula to calculate the amount for eraser. amount is calculated as priceX quantity<br/>B. Write formula for finding the total of price for all the stationery items</p> |                | A   | B     | C      | D | E | 1 | ABC Stationers |  |  |  |  | 2 | S.NO. | ITEM | QTY | PRICE | AMOUNT | 3 | 1 | REGISTER | 10 | 68 |  | 4 | 2 | SHORT NOTEBOOK | 3 | 35 |  | 5 | 3 | STEPLAR | 25 | 80 |  | 6 | 4 | ERASER | 50 | 5 |  | 7 | 5 | GEL PEN | 100 | 10 |  | 8 | 6 | GLUE STICK | 15 | 25 |  | 9 | 7 | COVER | 150 | 12 |  | <b>2</b> |
|              | A  | B              | C   | D     | E      |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 1            | ABC Stationers   |                |     |       |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 2            | S.NO.  | ITEM           | QTY | PRICE | AMOUNT |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 3            | 1  | REGISTER       | 10  | 68    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 4            | 2  | SHORT NOTEBOOK | 3   | 35    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 5            | 3  | STEPLAR        | 25  | 80    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 6            | 4  | ERASER         | 50  | 5     |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 7            | 5  | GEL PEN        | 100 | 10    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 8            | 6  | GLUE STICK     | 15  | 25    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| 9            | 7  | COVER          | 150 | 12    |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| <b>Q. 10</b> | Describe the role of "green education" in promoting environmental awareness and sustainable practices. How can educational institutions contribute to building a more eco-conscious society?   | <b>2</b>       |     |       |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |
| <b>Q. 11</b> | Explain any two ways by which aspiring entrepreneurs can identify new business opportunities   | <b>2</b>       |     |       |        |   |   |   |                |  |  |  |  |   |       |      |     |       |        |   |   |          |    |    |  |   |   |                |   |    |  |   |   |         |    |    |  |   |   |        |    |   |  |   |   |         |     |    |  |   |   |            |    |    |  |   |   |       |     |    |  |          |

**Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)**

|              |  |          |
|--------------|--|----------|
| <b>Q. 12</b> | Differentiate between <object> and <embed > tag . Can we use embed tag and object tag in a single web page?  | <b>2</b> |
| <b>Q. 13</b> | Explain the terms object properties and object methods in JavaScript.  | <b>2</b> |
| <b>Q. 14</b> | Write a function to accept response of a confirm box in javaScript from the user and display whether user has pressed "OK" button or "Cancel" button | <b>2</b> |

|              |   |          |
|--------------|---|----------|
| <b>Q. 15</b> | Nitish has written a function in JavaScript to print the rounded value of sum of the two float numbers passed as arguments and the square root of the rounded value, but the code is showing some errors. Rewrite the corrected code :<br>function rval(num1, num2)<br>{ var m = num1 + num2 ;<br>document.write(round(m))<br>document.write(sqrt(num1))<br>} | <b>2</b> |
| <b>Q. 16</b> | Differentiate between dynamic and static websites.  | <b>2</b> |

**Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)**

|              |   |          |
|--------------|---|----------|
| <b>Q. 17</b> | Explain the advantage of splitting video clips in Windows movie maker. Can the split files be combined together in Windows movie maker. | <b>3</b> |
| <b>Q. 18</b> | Give any three applications of JavaScript.  | <b>3</b> |
| <b>Q. 19</b> | Explain following terms:<br>a. Add-ins<br>b. Snippets<br>c. IntelliSense  | <b>3</b> |

**Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)**

|              |  |                      |
|--------------|--|----------------------|
| <b>Q. 20</b> | <b>a. Explain trimming Movie Clips with respect to Windows Movie Maker</b><br><b>b. Explain the use of preview monitor in Windows Movie Maker.</b>   | <b>4</b>             |
| <b>Q. 21</b> | Consider the following code and answer the questions given below:<br><object><br><param name="autostart" value="true"><br><param name="src" value="eureka.wav"><br><param name="autoplay" value="true"><br><param name="controller" value="true"><br><embed src="eureka.wav" controller="false" autoplay="true"<br>autostart="True"<br>type="audio/wav" /><br></object><br>i) Name the file embedded in above code.<br>ii) How many times will the file run/play?<br>iii) Explain use of autostart attribute.<br>iv) Does browser display the controller to viewers? | <b>4</b>             |
| <b>Q. 22</b> | a. Explain event handler in JavaScript with two examples.<br>b. Write a code snippet in JavaScript to generate a random number between 1-100 and display whether it is even or odd.  | <b>4</b><br><b>3</b> |
| <b>Q. 23</b> | Write a function in JavaScript to display the current date on the web page as soon as the page is loaded.  | <b>4</b>             |
| <b>Q. 24</b> | a. Write function in JavaScript to remove last element of an array ar1 of name passed to it as an argument and display it in uppercase.<br>b. Write function in JavaScript to display the index value of first occurrence of text 'the' in the string 'S1' and length of string 'S1'.  | <b>4</b>             |