

1. Each of the following statements has a blank space. Identify the most suitable term(s) to fill in the blank space from the three options given within brackets at the end of the statement. Write down the question number and the relevant term(s) in your answer book. (2016)
 - a) In addition to an Internet connection a is an essential component to publish a website. {content management software, web host, web user group}
 - b) A is used in creating a dynamic website. {content management software, file transfer protocol, web user group}
 - c) Text, images and sound are components of {web content, web host, domain name}
 - d) Regular updating of a website is an important part of {content management software, maintenance, protocols}
2. Consider the sample web page given in Figure 1 which is to be prepared using the source code shown in Figure 2. (2016)

```

<html>
<head> <①> Human Elephant Conflict </①> </head>
<body> <②>
<③> <④ face = "arial" color = "black"> Human Elephant Conflict in Sri Lanka </④> </③> </②>
<center> <img ⑤ = "Elephants-02.jpg" width = "300" height = "200"> </center>
<center> <④ face = "arial" size = "2"> Elephants in their natural environment </ 4 > </center>
<⑥ align = "⑦"> Elephants population in Sri Lanka is dwindling at an alarming rate due to the conflict between
the humans and the elephants. Number of deaths of humans and elephants during the last three years are
given in the following table. It has been revealed that, humans are responsible for most of the deaths of
elephants. </⑥>
<center>
<table border = "1">
<caption> Records of Deaths </caption>
<tr> <th> Year </th> <th> Humans </th> <th> Elephants </th> </tr>
<center>
<tr> <td> 2013 </td> <td align = "center"> 71 </td> <td align = "center"> 207 </td> </tr>
<tr> <td> 2014 </td> <td align = "center"> 67 </td> <td align = "center"> 232 </td> </tr>
<tr> <td> 2015* </td> <td align = "center"> 33 </td> <td align = "center"> 112 </td> </tr>
</center>
</table>
<center> <④ size = "1"> * - During the first five months </④> </center>
<⑥ align = "⑦"> More information about the conflict between the humans and the elephants can be found in
<a ⑧ = "https://elephantconservation.org/"> <i> The Conflict </i> </a> </⑥>
</body>
</html>

```

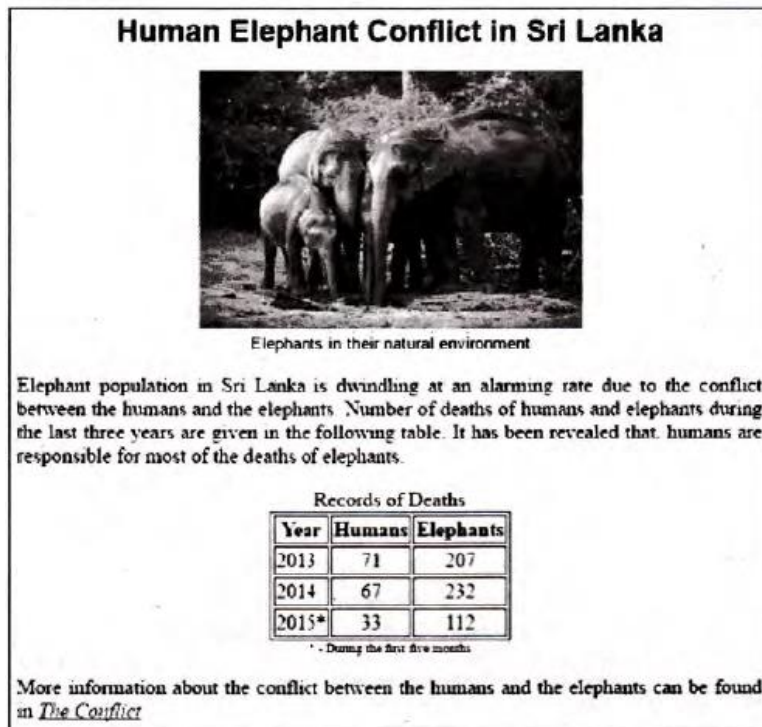



Figure 1 (source : The Internet)

The code in Figure 2 has eight missing HTML tags or terms indicated by labels 1 to 8. Select the correct tags/terms for the labels from the list. Write down the label number and the corresponding HTML tag/term.

List: src, justify, title, caption, h2, href, p, font

3. Consider the following figure which shows HTML, source file with missing tags and parameters labelled 1 - 8 on the left and its output on the right. (2017)

<pre> <!DOCTYPE html> <html> <body> <h2> <1> Milk Rice </1> </h2> <2 src="milkrice.jpg" alt="Milk Rice"> <p align="3"> " <4> Kiribath </4> is a traditional dish which is fit for any auspicious moment. Kiribath also known as milk rice is normally served with "lunu miris", a mixture of red onions and spices as well as with bananas, jaggery & curries. It's a must have for <5> New Year </5> celebration & popular breakfast dish too." </p> <6> 3 Cups of Long grain rice (short gain or white rice) 3 cups of Coconut milk (thick) 4 <7> 1 <7> <8> 2 <8> Cups of Water <7> 3 <7> <8> 4 <8> Teaspoons of Salt </6> </body> </html> </pre>	<div style="text-align: center;"> <h3>Milk Rice</h3>  </div> <p>"Kiribath is a traditional dish which is fit for any auspicious moment. Kiribath also known as milk rice is normally served with "lunu miris", a mixture of red onions and spices as well as with bananas, jaggery & curries. It's a must have New Year celebrations & a popular breakfast dish too."</p> <ul style="list-style-type: none"> • 3 Cups of Long grain rice (short grain or white rice) • 3 Cups of Coconut milk (thick) • 4 ½ Cups of Water • ¾ Teaspoons of Salt
---	---

Select the correct tag or parameter from the following list, for labels numbered 1- 8 in the HTML, source code above and write them down against each number.

List: [center, b, br, em, img, justify, i, ol, s, sup, sub, p, tr, td, marquee, u, ul]

4. The HTML source of the web page shown in Figure 1 is given in Figure 2 with certain missing tags and parameters labelled 1 - 8 (2018)

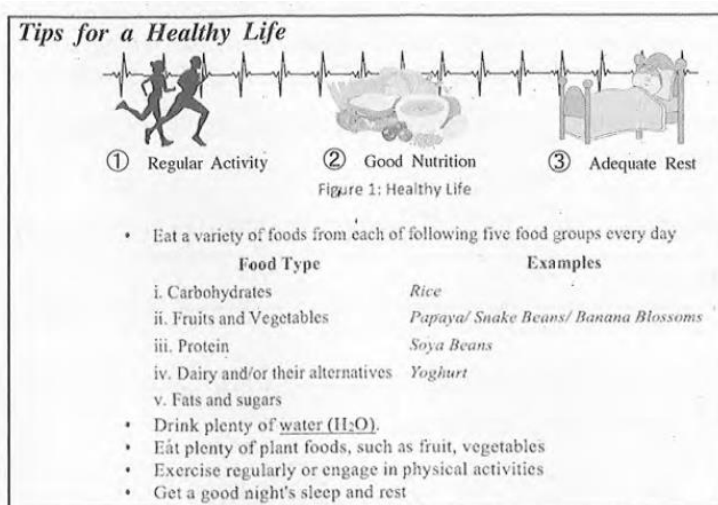


Figure 1 web page

```
<!DOCTYPE html>
<html>
<body>
<h2><1> Tips for a Healthy Life </1> </h2>
<2><img 3="health.jpg" 4="Healthy Life" width="460" height="345"> </2>
<p><2> Figure 1 : Healthy Life </2> </p>
<5>
<li> Eat a variety of foods from each of following five food groups every day</li>
<6>
<tr>
<th> Food Type </th>
<th> Examples </th>
<tr>
<td> i. Carbohydrates </td>
<td> <i> Rice </i> </td>
<tr>
<td> ii. Fruits & Vegetables </td>
<td> <i> Papaya/ Snake Beans/ Banana Blossoms </i> <td>
<tr>
<td> iii. Protein </td>
<td> <i> Soya Beans </i> </td>
<tr>
<td> iv. Dairy and/or their alternatives </td>
<td> <i> Yoghurt </i> </td>
<tr>
<td> v. Fats and sugars </td>
<tr>
</tr>
<6>
<li> Drink plenty of <7 href="https://purewaterfortheworld.org"> water
(H <8> 2 <8> O) <7></li>
<li> Eat plenty of plants foods, such as fruit, vegetables </li>
<li> Exercise regularly or engage in physical activities </li>
<li> Get a good night's sleep and rest </li>
<5>
</body>
</html>
```

Select the matching correct tag or parameter from the following list for each of the labels 1 - 8 given in Figure 2 and write down against each label number.

List of terms: {a, alt, b, br, center, dl, href, i, img, li, ol, p, src, sub, sup, table, td, th, tr, ul}

5. Choosing from the examples given in the list, write down the correct example for each of the labelled items A to D given below. You are only required to write the label and the corresponding example. (2019)

- A - web browser
- B - programming language for dynamic web content creation
- C - web authoring tool
- D - content management system

List: {Joomla, Kompozer, Mozilla Firefox, Pascal, PHP}

6. The HTML source of the web page shown in Figure 1 is given in Figure 2 with certain missing tags labelled 1 to 10. (2019)

```
<html>
<①>
  <title> Dengue fever </title>
</①>
<body>
<②> <center> Dengue fever: What is it and how to stop it? </center> </②>
<center> <③ src= "dengue.jpg" width= "130" height= "100" alt= "Mosquito Photo"> </center> </②>
<center> <font face= "arial" size= "22"> Stop Dengue! </font> </center>
<④ align= "center"> Dengue fever is a mosquito borne viral infection that causes a flu-like illness. </④>
<④ align= "center"> It can worsen into serve dengue and become deadly if not treated well' </④>
<④ align= "center"> Currently about one-third of the world's population is at risk of contracting dengue fever. </④>
<table border= "4" align= "center">
<⑤> <⑥> Dengue fever signs, symptoms </th> <th> Five prevention tips </⑥> </⑤>
<⑤> <⑦>
  <⑧>
    <li> High Fever </li>
    <li> Swollen lymph glands </li>
    <li> Muscle, joint and abdominal pains </li>
    <li> Nose bleeding </li>
    <li> Excessive vomiting </li>
  </⑧>
</⑦>
<⑦>
  <⑨>
    <li> Eliminate standing water </li>
    <li> Use good mosquito repellent </li>
    <li> Clean and monitor garden well </li>
    <li> Wear protective clothing </li>
    <li> Use Guppi fish in ponds </li>
  </⑨>
</⑦> </⑤>
</table>
<center> <h3> For more information: <a ⑩= "https://www.health.lk"> Dengue prevention </a> </h3> </center>
</body>
</html>
```

Select the correct tags for the labels 1-10 of Figure 2 from the list given below. Write down each label number and the corresponding HTML tag.

List: {h2, head, href, img, ol, p, td, th, tr, ul}

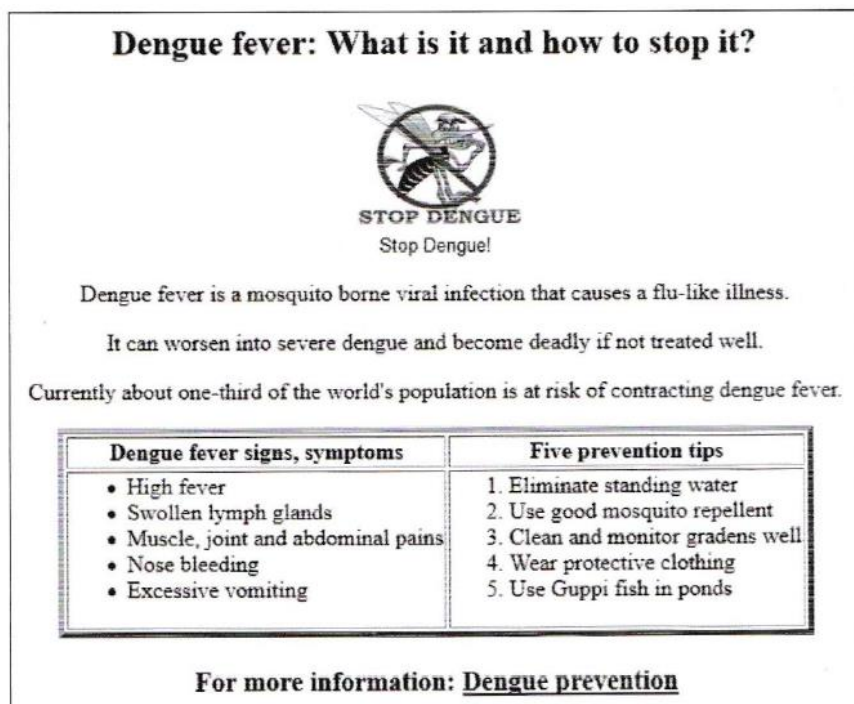


Figure 1: The web page

7. The HTML source of the web page shown in Figure 1 is given in Figure 2 with certain missing tags labelled 1 to 10. You are required to write down the label number and the corresponding HTML tag selecting from the list given below. (2020)

List: {h6, h1, alt, title, br, tr, i, td, p, type, rowspan, colspan, th, a, u}

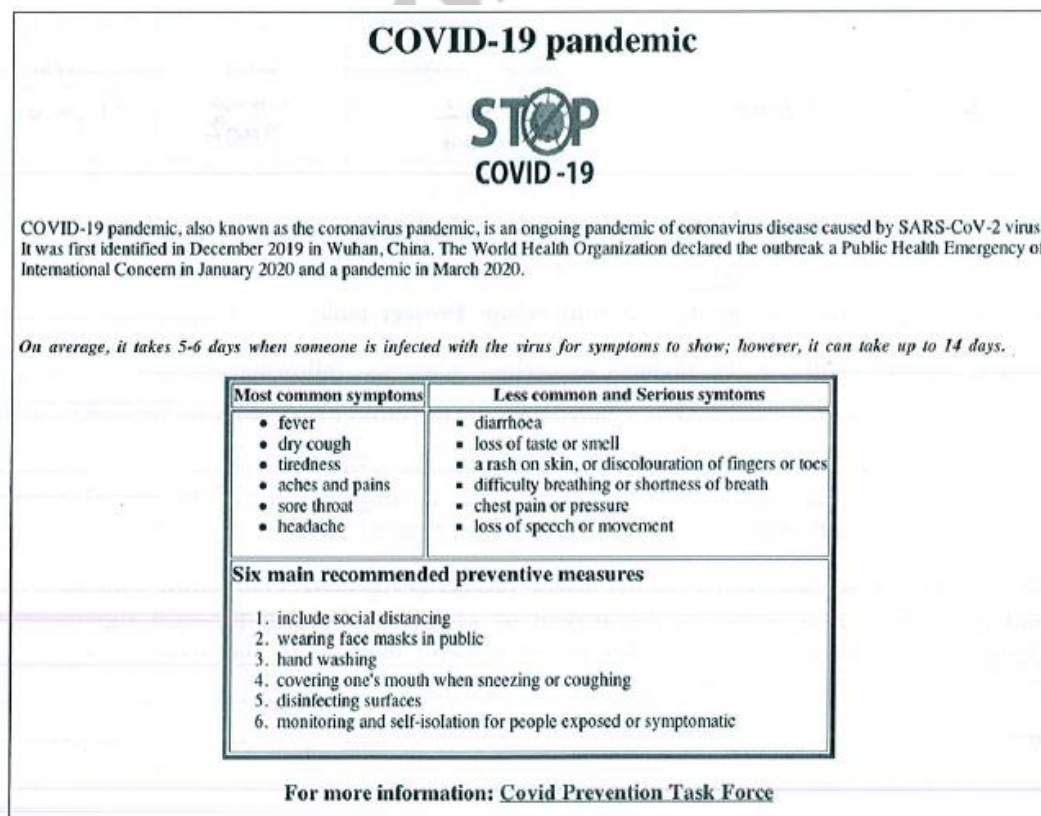


Figure 1: Web page

```

<html>
<head> <①> COVID-19 pandemic </①> </head>
<body>
<②> <center> COVID-19 pandemic </center> </②>
<center> <img src= “covid19.png” width= “130” height= “100” 3 = “Mosquito Photo”> </center>
<p> COVID-19 pandemic, also known as the coronavirus pandemic, is an ongoing pandemic disease caused by
SARS-CoV-2 virus. It was first identified in December 2019 in Wuhan, China. The World Health Organization
declared the outbreak the Public Health Emergency of International Concern in January 2020 and a pandemic
in March 2020. </p> </④>
<p> <⑤> On average it takes 5-6 days when someone is infected with the virus for symptoms to show, however
it can take up to 14 days. </⑤> </p>
<table border= “4” align= “center”>
<tr> <th> Most common symptoms </th> <th> Less common and Serious symptoms </th> </tr>
<⑥> <⑦>
<ul>
<li> fever </li>
<li> dry cough </li>
<li> tiredness </li>
<li> aches and pains </li>
<li> sore throat </li>
<li> sore throat </li>
<li> headache </li>
</ul>
</⑦>
<⑦>
<ul ⑧= “Square”>
<li> diarrhoea </li>
<li> loss of taste or smell </li>
<li> a rash on skin, or discolouration of fingers or toes </li>
<li> difficulty breathing or shortness of breath </li>
<li> chest pain or pressure </li>
<li> loss of speech or movement </li>
</ul>
</⑦> </⑥>
<⑥> <td ⑨= “2”>
<h2> Six main recommended preventive measures </h2>
<ol>
<li> include social distancing </li>
<li> wearing face masks in public </li>
<li> hand washing </li>
<li> covering one’s mouth when sneezing or coughing </li>
<li> disinfecting surfaces </li>
<li> monitoring and self-isolation for people exposed or symptomatic </li>
</ol>
</⑦> </⑥>
</table>
<center> <h3> For more information: <⑩ href = “https://www.health.lk”> Covid Prevention Task Force
</⑩> </h3> </center>
</body>
</html>

```

8. Use the following list of terms in answering questions (a) and (b). (2021)

List of terms: {Mozilla Firefox, Google, IaaS, HTTP, Pascal, PHP, Twitter, WordPress, Joomla, Internet Explorer}

- a) Match the descriptions labelled A - D with the correct terms from the list of terms given above and write down the relevant term against each label in the label → term format.

Label	Description
A	Search engine
B	Internet service protocol
C	Commonly used programming language for dynamic web development
D	Social network

- b) Identify the most suitable term to fill each blank labelled P - S from the list of terms given above and write down the relevant term against each blank label in the label → term format.

- Web pages can be developed using a Content Management Systems (CMS) such asP..... andQ.....
- The public can access a website through a web browser such asR..... orS.....

9. The HTML source of the web page shown in Figure 1 is given in Figure 2 with certain missing tags labelled 1 to 10. (2021)

You are required to write down the label number and the corresponding HTML tag selecting from the list given below.

List: {title, h2, ul, li, table, tr, th, td, img, src, center, a}

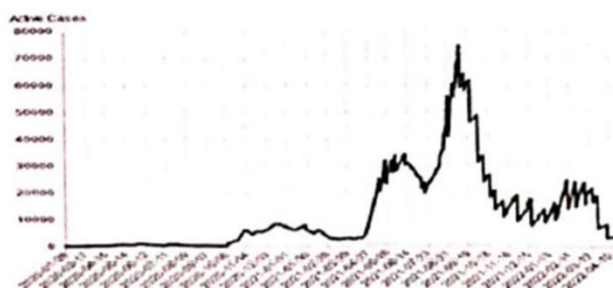
Sri Lanka's strong vaccination programme assisted in controlling COVID-19

Sri Lanka has made great progress in controlling the spread of COVID-19; however, the threat is not over yet.

• Progress of COVID-19 Immunization as of 11.04.2022

Type of Dose	Number of Vaccinations	% of Population
First Dose	17,033,222	77.6%
Second Dose	14,449,321	65.9%
Booster Dose	7,959,881	36.1%

• Monthly Covid 19 active cases in Sri Lanka from 2020 to 2022



For further information: [World Health Organization](https://www.who.int)

```

<html>
<head> <1> Covid 19 Vaccination in Sri Lanka </1> </head>
<body>
<center> <2> Sri Lanka's strong vaccination programme assisted in controlling COVID-19 </2>
</center>
Sri Lanka has made great progress in controlling the spread of COVID-19; however, the threat is not over yet.
<3>
<4><h3> Progress of COVID-19 Immunization as of 11.04.2022</h3> </4>
<5 border="4" align="center">
<6>
<7>Type of Dose</7>
<7> Number of Vaccinations</7>
<7> % of Population </7>
</6>
<6>
<td>First Dose </td> <td>17,033,222 </td> <td> 77.6% </td>
</6>
<6>
<td> Second Dose</td> <td>14,449,321</td> <td> 65.9% </td>
</6>
<6>
<td>Booster Dose</td> <td>7,959,881</td> <td> 36.1% </td>
</6>
</5>
<4><h3>Monthly Covid 19 active cases in Sri Lanka from 2020 to 2022</h3></4>
<8> <9 src="active_cases.png" width="400" height="180" alt="Vaccine Photo"> </8>
</3>
<p>
<h3> For further information: <10 href="https://www.who.int/srilanka"> World Health Organization
</10></h3>
</p>
</body>
</html>

```

10. Draw the expected output of the following HTML code segment:

(2022)

```

<dl>
<dt> HTML </dt>
<dd> is a markup language </dd>
<dt> Java </dt>
<dd> is a programming language </dd>
<dt> SQL </dt>
<dd> is a query language </dd>
</dl>

```


11. The HTML source of the web page shown in below Figure 1 is given in Figure 2 with certain missing tags labelled 1 to 12. (2021)

Water

The water sources in Sri Lanka are mainly fed by rainfall. The main water resources in Sri Lanka include rivers, streams, tanks, reservoirs and ground water.

Uses of water

- For drinking and household consumption
- For generation of hydro-electricity
- For agriculture and industries

Problems in water utilization and some solution methods

Problem	Solution
Waste of water	Use water sparingly and minimize wastage
Pollution of water	Implement water management plans Implement information dissemination programs
Distribution of water during droughts	Protect water sources in the catchment areas. Use of rainwater tanks and recycling
Drying of ground water sources	Construct large reservoirs and grow trees

Source: Grade Eleven Agriculture Book

```

<html>
<1> <title> Water </title> </1>
<body>
<center> <2> Water </2> </center>
<3> The water sources in Sri Lanka are mainly fed by rainfall. The Main water resources in Sri Lanka
include rivers, streams, tanks, reservoirs and ground water. </3>
<4> Uses of water </4>
<5>
<6> For drinking and household consumption </6>
<6> For generation of hydro-electricity </6>
<6> For agriculture and industries </6>
</5>
<4> Problems in water utilization and some solution methods </4>
<7 border="4" align="center">
<8> <9> Problems </9> <9> Solution </9> </8>
<8> <10> Waste of water </10> <10> Use water sparingly and minimize wastage </10> </8>
<8> <10> <11>="2"> Pollution of water </10> <10> Implement water management plans </10> </8>
<8> <10> Implement information dissemination programs </10> <10> Protect water sources in the
catchment areas. </10> </8>
<8> <10> Use of rainwater tanks and recycling </10> </8>
<8> <10> Drying of ground water sources </10> </10> Construct large reservoirs and grow trees
</10> </8>
</7>
Source: <12 href="http://www.edupub.gov.lk"> Grade Eleven Agriculture Book </12>
</body>
</html>

```

Select the correct tags for the labels to 2 of Figure 2 from the list given below. Write down each label number and the corresponding HTML tag.

List: {a, colspan, dl, h1, h2, head, li, link, p, rowspan, table, td, th, tr, ul}