

(1)

Prepare the logo of the website School Wiki.

- Open the file named **SchoolWiki\_Logo.svg** using the software Inkscape .
- Complete the image.
- Save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.



(2)

Prepare an animation of the Sun set.

Hints:

- Open the software SynfigStudio.
- Draw a suitable background for Sun set.
- Draw the sun using suitable tools.
- Prepare the animation of the Sun set.
- Save the project file in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(3)

Your school has decided to hold an awareness class for parents on *Measles - Rubella Vaccination*. Draft a letter to invite each parent of students of class 10A using the technique Mail Merge. The file **students.ods** in the folder Exam\_documents in Home contains the details of students and a model of the letter is given in the folder Exam\_documents in Home with the name **mmr.odt**.

**Hints:**

- Open the file mmr.odt from the folder Exam\_documents in Home .
- Using Mail Merge, include the fields 'Parent\_Name' and 'Student\_Name' from the file students.ods .
- Save the letters as **Single File** in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(4)

Prepare an image as the one given using the software Inkscape to be pasted on a First Aid Box. Export the image to png format and save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.



(5)

The resource map of a ward is given in the folder **Qgis Projects** in Exam\_documents in Home with the name **Ward.qgs** ( Home --> Exam\_documents --> Qgis Projects --> Ward.qgs).

Open it using the software Quantum GIS and do the following.

- Mark a new road in the layer 'Roads'.
- Include the map in 'New Print Composer' .
- Add the words 'Ward Map' as Label.
- Export the map to png format and save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

(6)

A Yoga Camp is to be held in the school to reduce obesity among students. Prepare a report containing the students whose BMI are greater than 30 to include in the camp from the database file **SPORTS.odt** given in the folder Exam\_documents in Home.


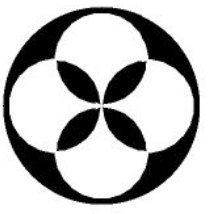
Hints:

- Open the database file SPORTS.odt from the folder Exam\_documents in Home using the software LibreOffice Base.
- Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as file name
- Create a **Query** with details of students whose BMI are greater than 30. The Fields **Ad No**, **Name**, **Class** and **BMI** should be included in it.
- Prepare and display a report that shows the details in the Query. ( No need to save the report)
- Save the database.

(7)

A Python program and its output (**Output 1**) are given.

- Type and save the program in the folder Exam10 in Home with your Register Number\_ Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(3) dot(300,"black") color("yellow") begin_fill() for i in range(4):     circle(70)     right(90) end_fill()</pre>		

(8)

The image1 given below is the browser view of the web page named **kuttikoottam.html**. The file **kuttikoottam.html** is given in the folder Exam\_documents in Home. Open it using Text Editor and make necessary changes in Cascading Style codes (CSS) to make it appear as the one given in the Image2. Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. Open the file in a web browser.

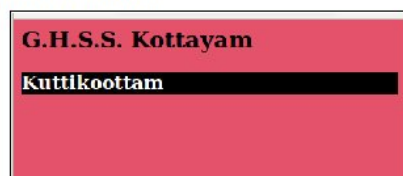


Image-1

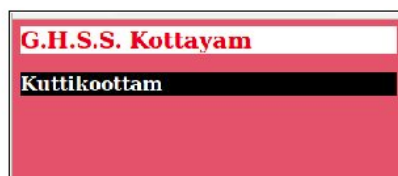


Image-2

(9)

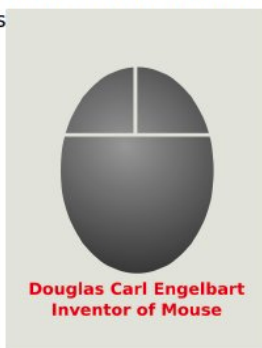
Prepare an image as given using the software Inkscape. Save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

- Include the text Copyleft .
- Group the whole image.



(10)

Prepare an image as given using the software Inkscape to be exhibited at the District IT Fair. Group the whole picture. Save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.



(11)

Open the software SunClock and do the following.

- Display the Time Zone Map.
- Display the main latitudinal and longitudinal lines.
- Set the date as March 21.
- Take a Screen shot of this and save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.  
(Use the Print Screen key to take screen shot)

(12)

A Python program and its output (**Output 1**) are given.



- Type and save the program in the folder Exam10 in Home with your Register Number\_ Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre> from turtle import* for i in range(4,0,-1):     color("black")     pensize(i*100)     forward(20)     color("blue")     pensize(i*85)     forward(20) </pre>		

(13)

A Python program and its output (**Output 1**) are given.

- Type and save the program in the folder Exam10 in Home with your Register Number\_Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(20) dot(250,"black") color("yellow") for i in range(4):     for j in range(3):         forward(90)         right(120)         right(90)</pre>		

(14)

An article related to the rivers in Kerala named **rivers.ott** is given in the folder Exam\_documents in Home. Open it. Modify the Style Heading 1 with the specifications given below.

Font size	-	110%
Font style	-	Bold Italic
Font family	-	DejaVu Sans Mono

Apply this style to all the headings in the article and save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(15)

Prepare a traffic sign as given using the software Inkscape. Include the image **U\_turn.png** from the folder Images10 in Home. Export the image to png format and save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.



( No need to save the svg file)



(16)

A Python program and its output (**Output 1**) are given.

- Type and save the program in the folder Exam10 in Home with your Register Number\_ Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre> from turtle import* pensize(30) color("black","yellow") begin_fill() for i in range(5):     forward(90)     right(72) end_fill() </pre>		

(17)

Your school has decided to send a few students for a Science Exhibition. The school wants a consent letter from parents. Prepare the consent letter to be obtained from each parent using the technique Mail Merge. The file **science\_members.ods** in the folder Exam\_documents in Home contains the details of students who are participating in the Science Exhibition and a model of the consent letter is given in the folder Exam\_documents in Home with the name **science.odt**.

Hints:

- Open the file science.odt from the folder Exam\_documents in Home .
- Using Mail Merge, include the fields 'Name of Student' and 'Name of Parent' from the database file science\_members.ods
- Save the letters as **Single File** in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

(18)

The resource map of a ward is given in the folder **Qgis Projects** in Exam\_documents in Home with the name **Ward.qgs** ( Home --> Exam\_documents --> Qgis Projects --> Ward.qgs).

Open it using the software Quantum GIS and do the following.

- Create a new layer **Well** with the attributes Depth, Radius and Owner (Layer Type - Point)
- Mark two wells in this layer.
- Display the Attribute Table of the layer ' Well '.

Take a Screen shot of this and save the screen shot in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

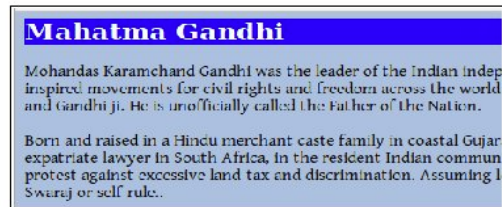
(Use the Print Screen key to take screen shot)

(19)

A web page containing details about Mahatma Gandhi is given in the folder

Exam\_documents in Home with the name **gandhiji.html**. Open it using Text Editor and make the given changes using Cascading Style codes (CSS).

- Change the font colour of the paragraphs to 'Yellow'.
- Change the background colour of the web page to 'black'.



Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. Open the file in a web browser.

(20)

A Python program and its output (**Output 1**) are given.

- Type and save the program in the folder Exam10 in Home with your Register Number\_ Question Number as file name.
- Run the program.
- Rewrite the program including the line **color("blue")** in the appropriate position so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(20) color("gray") for m in range(120,20,-20):     circle(m)     dot(3.5*m,"white")</pre>		

(21)

An article related to Indian Railway named `railway.ott` is given in the folder Exam\_documents in Home. Open it. Create a new style for Headings in the name **rail** with the following specifications. ( Hint : The new style should be included in the section Heading 1)

Font size	-	110%
Font colour	-	Blue
Font family	-	Meera

Apply this new style to all the headings in the article and save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

(22)

An article related to Kerala Tourism named **tourist\_places.ott** is given in the folder Exam\_documents in Home. Open it. Include Index Table at the top of the first page.

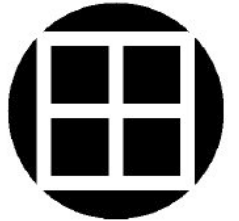
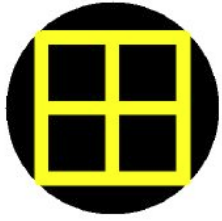
( Hint : Open the file using LibreOffice Writer and apply the Style Heading 1 to all the headings.)

Save the file in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(23)

A Python program and its output (**Output 1**) are given.


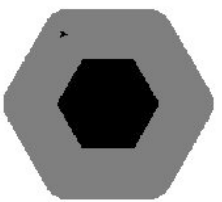
- Type and save the program in the folder Exam10 in Home with your Register Number\_Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(20) dot(300,"black") color("white") for i in range(4):     for j in range(4):         forward(100)         right(90)     right(90)</pre>		

(24)

A Python program and its output (**Output 1**) are given.

- Type and save the program in the folder Exam10 in Home with your Register Number\_Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(50) color("black","pink") begin_fill() for i in range(6):     forward(80)     right(60) end_fill()</pre>		

(25)



An article related to the programmes of *Haritha Kerala Mission* named **harithakeralam.ott** is given in the folder Exam\_documents in Home. Open it. Create a new style for paragraphs in the name **haritha** with the following specifications.

( Hint : The new style should be included in the section Default Style)

Font size	-	14 pt
Alignment	-	Justified
Spacing of first line from the margin	-	2cm

Apply this new style to all the paragraphs in the article and save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(26)

Open the software Sunclock and do as directed.

- Display the Time Zone Map.
- Hide the separation between night and day.
- Display the main longitudinal and latitudinal lines.
- Set the degrees of longitudes visible at the top.
- Take a Screen shot of this and save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(Use the Print Screen key to take screen shot)

(27)

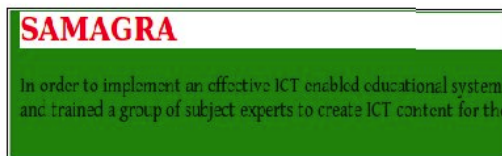
Your school has decided to hold an awareness class for parents on *Measles - Rubella Vaccination*. Draft a letter to invite each parent of students of class 10A using the technique Mail Merge. The file **students.ods** in the folder Exam\_documents in Home contains the details of students and a model of the letter is given in the folder Exam\_documents in Home with the name **mmr.odt**.

**Hints:**

- Open the file mmr.odt from the folder Exam\_documents in Home .
- Using Mail Merge, include the fields 'Parent\_Name' and 'Student\_Name' from the file students.ods .
- Save the letters as **Single File** in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

(28)

A web page related to the Educational portal named 'SAMAGRA' is given in the folder Exam\_documents in Home with the name **samagra.html**. Open it using Text Editor and make the given changes using Cascading Style codes (CSS).



- Change the background colour of the web page to pink.
- Change the font size of the paragraph to 18px.

Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. Open the file in a web browser.

(29)

The file **spc.ods** in the folder Exam\_documents in Home contains the details of students selected for the SPC District Level Camp. A model of their ID Card is given in the folder Exam\_documents in Home with the name **spc\_id.odt**. Prepare ID cards for them using the technique **Mail Merge**.

**Hints:**

- Open the file spc\_id.odt from the folder Exam\_documents in Home .
- Using Mail Merge, include the fields 'Name of Student' and 'Standard' from the database file spc.ods .
- Save the ID Cards as **Single File** in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

(30)

The file butterfly.sifz in the folder Exam\_documents in Home contains the first part of an animation of butterfly flying. Open it and complete the animation.

**Hints:**

- Open the file **butterfly.sifz** through the software SynfigStudio.
- Insert the image a **butterfly.png** from the folder Images10 in Home and adjust the size.
- Animate the images.
- Save the project file.
- Export it in flv format and save the exported file in the folder Exam10 in Home with your Register Number\_ Question Number as the file name.

(31)

An article related to Kerala Tourism named **tourist\_places.ott** is given in the folder Exam\_documents in Home. Open it. Include Index Table at the top of the first page.

( Hint : Open the file using LibreOffice Writer and apply the Style Heading 1 to all the headings.)

Save the file in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

## (32)

The file **eagle.sifz** in the folder Exam\_documents in Home contains the first part of an animation of birds flying. Open it and complete the animation.

Hints:

- Open the file 'eagle.sifz' through the software SynfigStudio.
- Insert the images **parrot.png** and **eagle.png** from the folder Images10 in Home and adjust the size.
- Animate the images.
- Save the project file.
- Play the animation and export it in flv format. Save the exported file in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

## (33)

An article related to *Suchithwa Mission* named **suchithwamission.ott** is given in the folder Exam\_documents in Home. Open it. Create a new style for Headings in the name **mission** with the following specifications. ( Hint : The new style should be included in the section Heading 1 )

Font size	-	115%
Font style	-	Bold
Font color	-	green

Apply this new style to all the headings in the article and save it in the folder Exam10 in Home with your Register Number\_Question Number as the file name.

## (34)

The database file named **StudentDetails.odt** in the folder Exam\_documents in Home contains the details of students in class 10A. Prepare a report containing the students who study SANSKRIT.

Hints:

- Open the database file StudentDetails.odt from the folder Exam\_documents in Home using the software LibreOffice Base.
- Save the file using the option **Save As** in the folder Exam10 in Home with your Register Number\_ Question Number as file name
- Create a **Query** to avail the details of students who study SANSKRIT (Field : Language, Value : **SANSKRIT**).  
The Fields **Ad No, Name, Class** and **Language** should be included in it.
- Prepare and display a report that shows the details in the Query. (No need to save the report)
- Save the database.

(35)

Prepare a board as the one given using the software Inkscape for the National Green Corp group of your school. You may use the logo named **NGC\_Logo.png** given in the folder Images10 in Home. Export the image to png format and save it in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. (No need to save the svg file)



(36)

A Python program and its output (**Output 1**) are given.

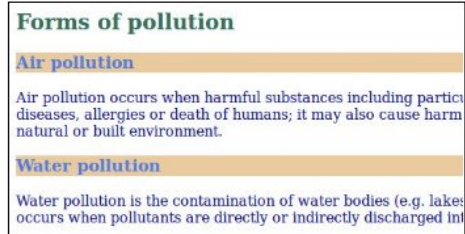
- Type and save the program in the folder Exam10 in Home with your Register Number\_ Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2**) and Run it.

Program	Output 1	Output 2
<pre>from turtle import* pensize(20) dot(250,"black") color("pink") for i in range(3):     for j in range(3):         forward(90)         right(120)         right(120)</pre>		

(37)

A web page related to the Environmental Awareness Program is given in the folder Exam\_documents in Home with the name **natural\_pollutions.html**. Open it using Text Editor and make the given changes using Cascading Style codes (CSS).

- Change the background colour of the heading "Forms of pollution" to yellow.
- Change the font colour of the headings "Air pollution" and "Water pollution" to red.



Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. Open the file in a web browser.

(38)

A web page being prepared by the members of Kuttikootam Club is given in the folder Exam\_documents in Home with the name **schoolsite.html**. Open it using Text Editor and make the given changes using Cascading Style codes (CSS).

- Change the font face of the paragraph to 'Ubuntu Condensed'.
- Change the font size of the name of the school to 30px.



Save the file using the option '**Save As**' in the folder Exam10 in Home with your Register Number\_ Question Number as the file name. Open the file in a web browser.