1.   Prepare the given Volunteer Badge for School Kalolsavam in the software Inkscape. Group the picture. Export the picture to png format in the folder Exam10 in Home with your Register Number_Question Number as file name (No need to save the svg file).

2.   The local resource map prepared by the Gramapanchayt is given in the folder Home/Exam_documents/QGIS_Map with the name Panchayath_map.qgs. Open the map and do the following.

- Open the map Panchayath_map.qgs through the software QGIS.
- Create a New Layer to mark the main road in the Panchayat with the name ' Main_Road ' and attributes ' Name, Width and Type ' (Layer type – Line).
- Mark the main road in the map (Use the tools Toggle Editing and Add Feature).
- Take a screen shot of the map and save it in the folder Exam10 in Home with your Register Number_Question Number as file name. (press the key print screen (prtscr) in the Key board to get screen shot)

3.   Open the software Sunclock. Display the Time Zone map and set the date as 21 March. Display Moon and the Main Latitudinal lines. Take a screen shot of the map and save it in the folder Exam10 in Home with your Register Number_Question Number as file name. (press the key print screen (prtscr) in the Key board to get screen shot)

4.   The file named navakeralam.ott in the folder Exam_documents in Home contains the details about the programmes being implemented for the overall development of Kerala. Open the file. Make the following changes in the style Heading 1.

     Font size   -   110%

     Font Family   -   Century Schoolbook L

     Font Style   -   Bold Italic

Apply this Style to all the headings and save the file in the folder Exam10 in Home with your Register Number_Question Number as file name.

5.   The file named taj_mahal.ott in the folder Exam_documents in Home contains an article about Taj Mahal. Set the Index table of the article in the first page. (Hint : Open the file in the software 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 file name.
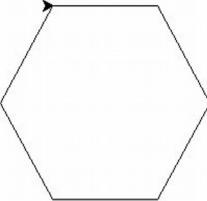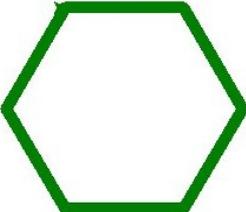
6.   The file students_tour.ods in the folder Exam_documents in Home contains the details of students who are participating in the study tour from School. A model of the consent letter to be signed by parents is given in the folder Exam_documents in Home with the name consent.odt. Prepare the consent letter for each parent using the technique Mail Merge.

 Hints:

- Open the file consent.odt from the folder Exam_documents in Home .

- Using Mail Merge, include the fields 'Name of Student', 'House Name' and 'Name of Parent' from the file students_tour.ods.

Save the letters as Single File in the folder Exam10 in Home with your Register Number_Question Number as file name.

7. A Python program to create a regular Hexagon and its output (**Output 1)** are given.

Program	Output 1	Output 2

from turtle import*
 for i in range(6):
    forward(100)
    right(60)		

- 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 lines **pensize(10)** and **color("green")** in appropriate positions (to make the lines thick and green) so as to get the second output (**Output 2)** and Run it.

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

Program	Output 1	Output 2
from turtle import* color("blue","green") pensize(4) begin_fill() for k in range(20,180,20): circle(k) end_fill()		

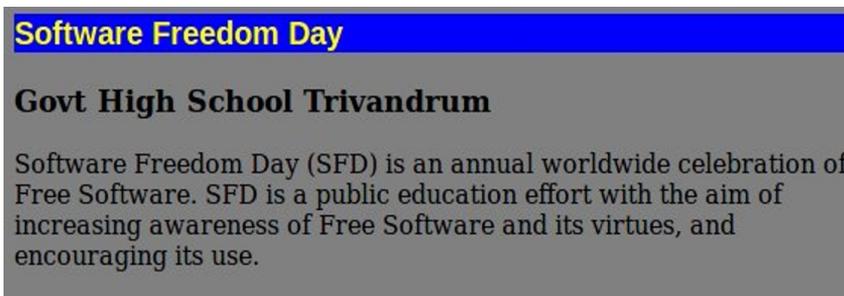- Type and save the program in the folder Exam10 in Home with your Register Number_Question Number as file name.
- Run the program.
- Rewrite the program so as to get the second output (**Output 2)** and Run it.

9. The database file named 'Cricket_selection.odb' in the folder Exam_documents in Home contains the details of students in a class. Prepare a table containing the list of students whose age is greater than 14 to include in the Cricket coaching camp.

Hints:

- Open the database file Cricket_selection.odb 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.
- Prepare a Query to avail the details of students whose age is greater than 14. The details like **Ad No, Name, Class, Age** 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.

10. The file sfd.html in the folder Exam_documents in Home is a web page related to the Free Software Day. Open it through Text Editor and make the following changes using Cascading Style codes (CSS).

- Set font size of the main heading ("Software Freedom Day ") to 30 px.
- Set Yellow background to the second heading (the heading with school name) .

Save the file using the option '**Save As'** in the folder Exam10 in Home with your Register Number_Question Number as file name. Display the web page in a browser.

11. The file pollution.html in the folder Exam_documents in Home is a web page created by the members of Kuttikoottam club. The given image (image1) is the browser view of that page. Open it through Text Editor and make the following changes in Cascading Style codes (CSS) so as it will look like the image 2. Save the file using the option **'Save As'** in the folder Exam10 in Home with your Register Number_Question Number as file name. Display the web page in a browser.
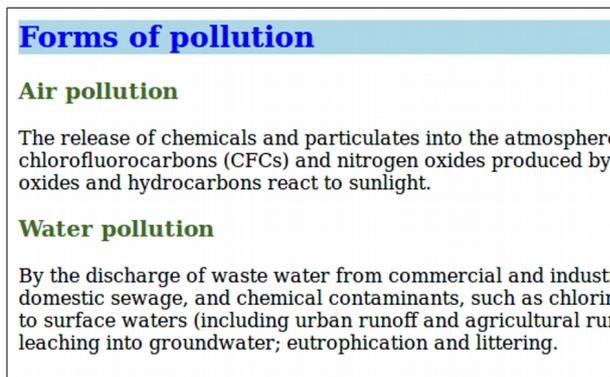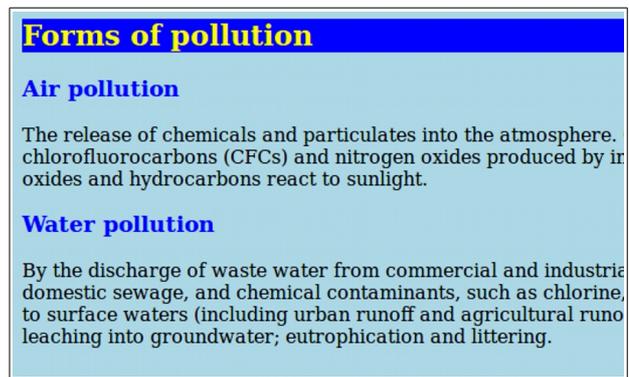
Image-1

Image-2

12. Prepare an animation of a bird flying to the top of a tree using the software SynfigStudio. Do the following for it.

- Open the software SynfigStudio and import the images tree.png and bird.png from the folder Images10 in Home.

- Prepare the animation of a bird flying to the top of the tree.

- Save the Project file in the folder Exam10 in Home �ല Exam10 with your Register Number_Question Number as file name.