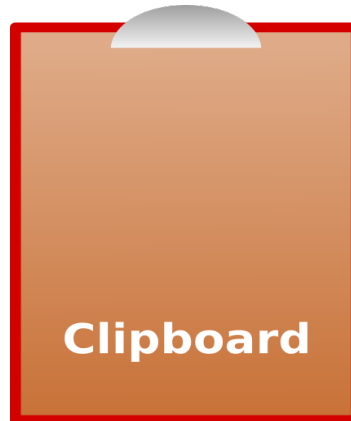


SSLC IT EXAMINATION - MARCH 2024

PRACTICAL EXAMINATION - SAMPLE QUESTIONS

(English Medium)

1. Prepare an image in Inkscape software as shown in the model.

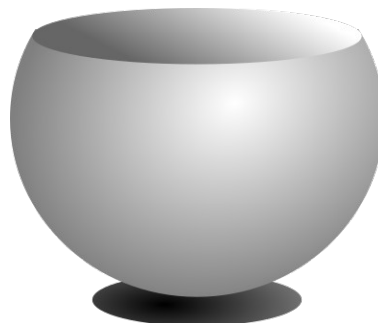


Hint:-

- Give gradient background colour to the clipboard.
- Group the entire image.

Save the prepared image as **svg file** in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

2. Prepare an image of a tea cup in Inkscape software as shown in the model.



- Group the entire image..

Export the prepared image as **png file** to the Exam10 folder in Home with your RegisterNumber_Questionnumber as the filename.

3. Prepare the image of an entrance arch in Inkscape software as shown in the model.



- Arrange the text FREEDOM FEST 2023 in curve as shown in the image.

Save the prepared image as an **svg file** in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

4. A resource map **LocalMap.qgs** is given in the QGIS_Projects folder in Exam_documents in Home. Open this file in QGIS Desktop software and do the following activities.

- Display the layer **MainRoad** on the resource map.
- Change the colour given to **MainRoad** to **black**.

Save the resource map as an image file in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

Hint:-

To save as an image file, use the option **Project → Save as Image** from the menu bar in the QGIS software.

5. A resource map **Mapdata.qgs** is provided in the QGIS_Projects folder in Exam_documents in Home. Open this file in QGIS Desktop software and do the following activities

- Create a layer named **House**. (**Layer Type:** Point, **Attributes:** Owner, Number.) Select this layer and mark a **house** on the map.

(id - 1, Owner - Krishnan, Number - 666)

- Display the layer **Road** in the resource map.
- Change the colour given to **Road** to **Black**.

Save the resource map in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as filename.

6. Find the sunset time in New Delhi on 2023 November 12 with the help of Sunclock software. Take a screenshot of it and save it in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

Hint:

- Display the time zone map on the Sunclock software and select the location.
- Make suitable changes in the **Progress Value** and adjust the date and time.
- Run the animation and find the time when the day turns to dark over New Delhi. Take a screenshot of it.

(Press the Print Screen key on the keyboard to take a screenshot. Copy the screenshot file from the Pictures folder and paste it into the Exam10 folder in Home. Rename the file as instructed.)

7. Open the SunClock software and do the following activities.

- Display the time zone map on the Sunclock software.
- Display the longitudinal lines and main latitudinal lines.
- Set the date as 2024 September 21.
- Display the sun and the moon
- Take a screenshot of it and save it in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

(Press the Print Screen key on the keyboard to take a screenshot. Copy the screenshot file from the Pictures folder and paste it into the Exam10 folder in Home. Rename the file as instructed.)

8. An article on the milestones of ISRO is given in Exam_documents folder in Home with the file name **Mission_ISRO.ott**. Open this file in LibreOffice Writer and prepare a new heading style with name **ISRO** by giving the following attributes. (Create the new style in **Heading 1** style of the Heading section)

Font family	: BABEL Unicode
Style	: Bold
Size	: 130%
Font Color	: Gold
Underlining	: Single

Apply this new style to all the sub headings. (Sub headings are green in colour)

Save this modified file in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

9. A magazine prepared by some students is given in Exam_documents folder in Home with the file name **Magazine.ott**. Open this file in LibreOffice Writer and apply the style **Heading 1** to all headings in all pages. (Headings are red in colour).

Then make the following changes in **Heading 1**.

Font family	: BABEL Unicode
Font size	: 120 %
Font color	: Green

Save the modified file in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

10. An article about Indian mathematicians are given in the Exam_documents folder in Home with the file name Mathematicians.ott .

Create a table of contents for the article using the **Table of Contents and Index** technique in LibreOffice Writer.

Create the Table of Contents on the first page of the article.

Hints:-

- Give style Heading 1 for subheadings. (Subheadings are red in colour)

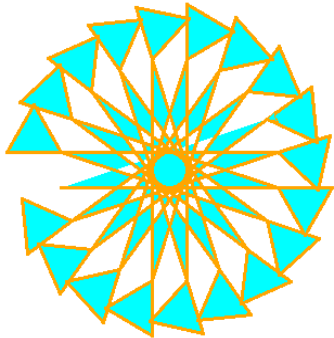
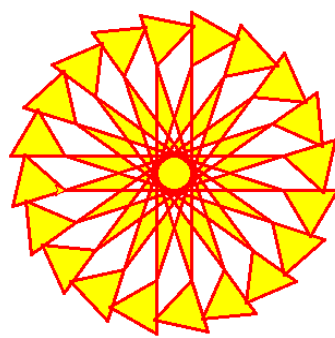
Save the modified article in Exam10 folder in Home giving your RegisterNumber_QuestionNumber as the filename.

11. Create student profile cards using the mail merge technique in LibreOffice Writer.

The details of the students are given in the file **Students.ods** in Exam_documents folder in Home and the sample profile card in the file **Profile.ott** in the same folder.

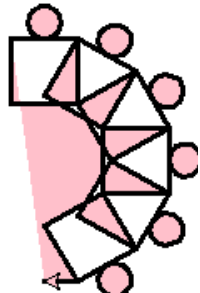
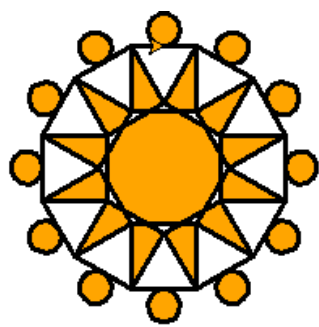
Save the profile cards as a single file in Exam10 folder in Home giving your RegisterNumber_QuestionNumber as the filename.

12. A Python program and its output (**Output 1**) is given here.

Program	Output 1	Output 2
<pre> from turtle import * pensize(3) color("orange","cyan") begin_fill() for i in range(19): forward(200) for j in range(3): forward(50) right(120) left(162) end_fill() </pre>		

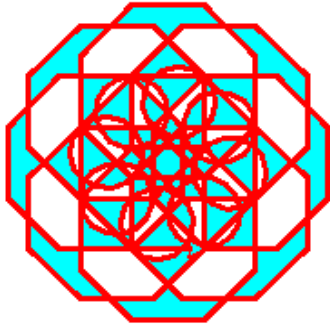
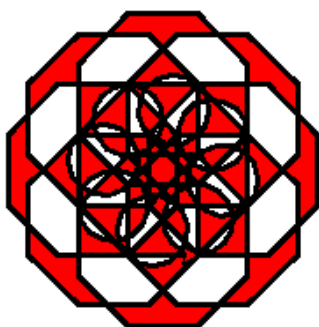
Type the given program and run it so as to get the First output (**Output 1**). Rewrite the same program to get second output (**Output 2**). Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

13. A Python program and its output (**Output 1**) is given here.

Program	Output 1	Output 2
<pre> from turtle import* pensize(3) color("black","pink") begin_fill() for i in range(6): forward(20) circle(10) forward(20) for j in range(4): right(90) forward(40) right(30) forward(20) end_fill() </pre>		

Type the given program and run it so as to get the First output (**Output 1**). Rewrite the same program to get second output (**Output 2**). Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

14. A Python program and its output (**Output 1**) is given here.

Program	Output 1	Output 2
<pre> from turtle import* pensize(3) color("red","cyan") begin_fill() for i in range(8): left(45) forward(40) for j in range(8): forward(40) left(45) circle(20) end_fill() </pre>		

Type the given program and run it so as to get the First output (**Output 1**). Rewrite the same program to get second output (**Output 2**). Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

15. The details of various athletes are given in the file **Sports.odt** in Exam_documents folder in Home. Create a **query** using the Queries function in the LibreOffice Base to get the names of players who have scored more than 100 goals and the number of goals scored from the **Footballers** table.

Hints:-

- Use the **Use Wizard to Create Query** method in Queries to prepare the query.
- Fields to include : Player_Name, No_of_Goals.
- Search Condition : No_of_Goals is equal or greater than 100.

Save the modified file (File → Save As) in Exam10 folder in Home with your RegisterNumber_QuestionNumber as its filename.

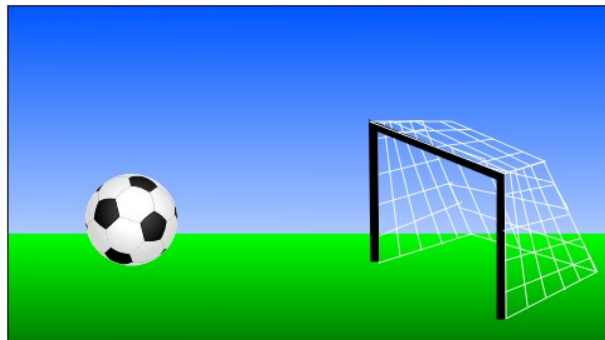
- 16.** The details of various athletes are given in the file **Sports.odt** in Exam_documents folder in Home. Prepare a report using the instructions given below using **Reports** tool in the LibreOffice Base.

Hints:-

- Use the query **Query_Karnataka** given in the database file to generate the report. (Select Query_Karnataka from **Tables or queries** in Field selection in Report Wizard)
- Fields to include in the report: Player_Category, Total_Runs, Total_Wickets.

Save the report (File → Save As) in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

- 17.** Create the animation of football falling to the goal post using Synfig Studio software.



Hint:

Include the images **ground.png**, **football.png** from Images10 folder in Home.

Save the animation in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

18. Open the file **Project_1.sifz** given in the Exam_documents folder in Home using **Synfig Studio** software and prepare an animation of a jeep moving forward.



Hint:

- Include the image **jeep.png** given in Images10 folder in Home.
- Give animation to the Jeep.

Save the file using the option **File → Save As** in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

Then render the animation in **flv format** in the same folder with your RegisterNumber_QuestionNumber as the filename.

19. A web page prepared as part of the school level Sports Fest is given. Create the web page as shown in the model.

Open the file **school_sports.html** given in Exam_documents in Home in a text editor and make the following changes to the styles.



- Give **font-family: serif; background-color: darkred;** to the main heading to the webpage (Sports Fest 2023-24).
- Give **font-size: 22px;** to the paragraph as shown in the model.
- Give **background color pink** to the web page.

Save the modified file using the **Save As** option in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename. Open the file in a web browser.

20. A web page **index.html** related to a Robotic Fest is given in the folder robo_fest in Exam_documents in Home.

Open this web page in a text editor. Add **external styles** to it to make the web page look attractive as shown in the model.



- Link the file **robo.css** given in the folder robo_fest in Exam_documents to the web page. (Copy the file **robo.css** to Exam10 before beginning the activity.)

Save the modified file **index.html** using the **Save As** option in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename. Open the file in a web browser.