

SSLC IT EXAMINATION - MARCH 2025

PRACTICAL EXAMINATION - SAMPLE QUESTIONS

(English Medium)

1. Prepare a badge in Inkscape software as shown in the model.

Hints:

- Include the image **pic_1.jpeg** given in the **Images10** folder in **Home**.
- Group the entire image.



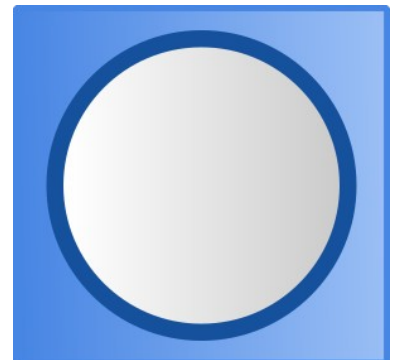
Save this image in **svg** format to **Exam10** folder in Home with your *RegisterNumber_QuestionNumber* as the file name.

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



Save this image in **svg** format to **Exam10** folder in **Home** with your *RegisterNumber_QuestionNumber* as the file name.

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



Save this image in **svg** format to **Exam10** folder in Home with your *RegisterNumber_QuestionNumber* as the file name.

4. A resource map namely **WardMap.qgs** is given in the QGIS_Projects folder in Exam_documents of Home. Open this file in QGIS Desktop software.

Open the software and complete the activities given below.

- Display the **Ground** and **MainRoad** layers on the map.
- Create a new layer named **River**. (**Layer Type**: Line, **Attributes**: Name, Length).
- Select this layer and draw a river starting from Ward 5 on the map and flowing through Ward 6. (Id - 1, Name – Poorappuzha , Length – 45 KM)

Save this map using Save As option to the folder Exam10 in Home with the *RegisterNumber_QuestionNumber* as the file name.

5. A resource map namely **WardMap.qgs** is given in the QGIS_Projects folder in Exam_documents in Home. Open this file in QGIS Desktop software and complete the following activities .

- Display **MainRoad** on the map.
- Give red colour to the **MainRoad**.
- Display the **Attribute table** of the **Anganwadi** layer in the map.
- Take the screenshot of this window.

Save the screenshot to **Exam10** folder in **Home** with *your RegisterNumber_QuestionNumber* as the file name.

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

6. A resource map namely **WardMap.qgs** is given in the QGIS_Projects folder in **Exam_documents** in **Home**. Open this file in QGIS Desktop software and complete the following activities .

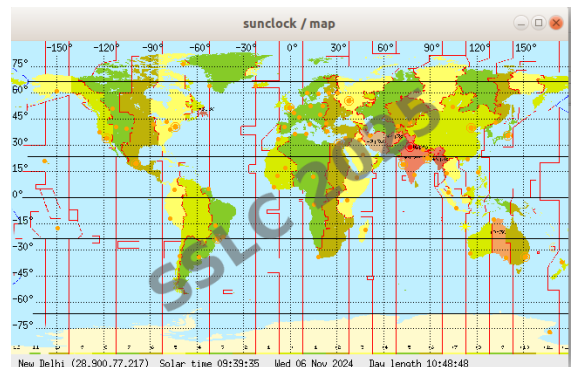
- Display the **Main Road** layer on the map.
- Hide the **Anganwadi** layer on the map.
- Change the green colour given to **Ward 7** to **red** colour.

Save this resource map as image file to 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** in the QGIS software.

7. Open the software Sunclock and complete the following activities.

- Display the **time zone map** on the Sunclock.
- Display **latitude, longitude** lines and **main latitudinal** lines.
- Display the **solar time** in **New Delhi**.
- Completely avoid the distinction between day and night.



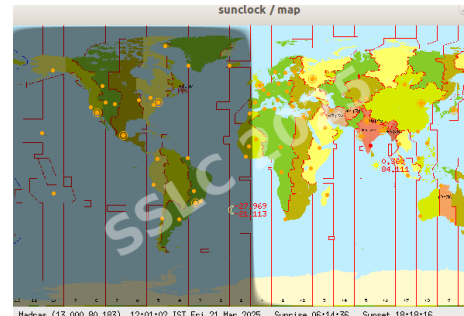
Take screenshot of this and save it to Exam10 in Home with your *RegisterNumber_QuestionNumber* as the file name.

(Use the Print Screen key on the keyboard to take screenshot. Copy the screenshot file from the **Pictures** folder in Home and paste it to the **Exam10** folder and rename the file as directed).

8. Display the position of sun at **12 noon** in **Chennai city (Madras)** on March 21, 2025 (Equinox), using the software Sunclock. Take screenshot of it and save it to the Exam10 folder in Home with *your RegisterNumber_QuestionNumber* as the file name.

Hints:

- Display the **time zone map** on the Sunclock and select **Madras**.
- Adjust the date and time by changing the **progress value**.
- Display the **sun** on the map.
- Take screenshot of this window.



(Use the Print Screen key on the keyboard to take screenshot. Copy the screenshot file from the **Pictures** folder in Home and paste it to the Exam10 folder and rename the file as directed).

9. An article on Carnatic music is given in the file **Carnatic_music.ott** in **Exam_documents** folder in **Home**. Open it in LibreOffice Writer and style the headings as per the instructions below.

- Give **Heading 1** Style to **Carnatic music**.
- Create a new style **Music** under **Heading 2** in the Heading section and make the following changes to the style **Music**.

Font Family : Century Schoolbook L

Font Size : 100 %

Font Color : Dark purple 1

- Apply this style to all subheadings in the article. (Subheadings are given in red colour).

Save the modified file to **Exam10** folder in **Home** with your *RegisterNumber_QuestionNumber* as the file name.

- 10.** An article on the art forms of Kerala is given in the file **Kerala_art.ott** in **Exam_documents** in **Home**. Open this file in LibreOffice Writer and create a new heading style namely **Artform** with the following specifications for subheadings.

The new style should be created in **Heading 1** of the Heading section.

Font family	: Verdana
Style	: Bold
Font size	: 22 pt
Font color	: Green

Give the style **Artform** to all subheadings in the article. (Subheadings are numbered)

Save the modified file to **Exam10** folder in Home with your *RegisterNumber_QuestionNumber* as the file name.

- 11.** A note on social media is given in the file **SocialMedia.ott** in Exam_documents folder in Home. Open this file in LibreOffice Writer and apply the style **Heading 1** for the main heading. (The Power of Social Media: A Double-Edged Sword).

Give **Heading 2** style to all sub headings. (Subheadings are given in green colour).

Then, make the following changes to the **Heading 2** style

Font Family	: URW Bookman L
Font Size	: 110 %
Font Color	: Blue
Shadow effect	

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

12. An article namely **Technology_in_Education.ott** is given in the Exam_documents folder in Home. Open it in LibreOffice Writer and create table of contents for the article using the **Table of Contents and Index** option.

- Include the table of contents on the first page of the article.

Hint:

- Give appropriate **Style** to all subheadings. (Subheadings are given in purple colour).

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

13. An article on Artificial Intelligence (AI) is given in the file **AI.ott** in the Exam_documents folder in Home. Open this file in LibreOffice Writer and create table of contents for the article using the **Table of Contents and Index** option. Include the Table of contents on the first page of the article.

Hints:

- Give **Heading 1** style to the main heading. (Main headings are given in red colour)
- Give **Heading 2** style to the Subheadings. (Subheadings are given in green colour)

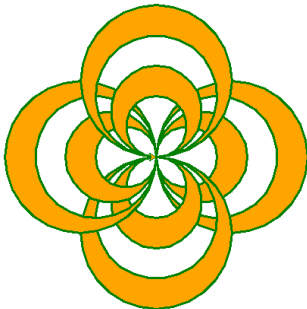
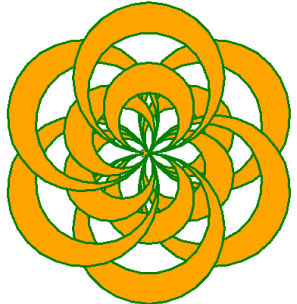
Save the modified file to Exam10 folder in Home with your *RegisterNumber_QuestionNumber* as the filename.

14. Details of children selected for NSS unit in a school are given in file **NSS_Volunteer.ods** in Exam_documents folder in Home. Prepare identity cards for these children using the mail merge option in LibreOffice Writer. A model identity card is given in the file **Card_Nss.ott** in Exam_documents folder in Home.

Save the prepared cards as a Single File to the Exam10 folder in Home by entering your *register number_question number as the file name*.


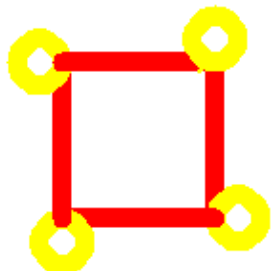
15. Prepare invitation letters to invite parents to a drama festival organized by the Drama club of a school using the mail merge option in LibreOffice Writer. The details of parents is given in the file **Parents_Details.ods** and the sample invitation letter in the file **Drama.ott** in the Exam_documents folder in Home. Save the prepared invitation letters as a single file to the Exam10 folder in Home with *your register number_question number* as the file name.

16. A Python program and the output (**Output 1**) obtained when it is run is given.

Program	Output 1	Output 2
<pre> from turtle import* pensize(3) color("green","orange") for r in range(4): rt(90) begin_fill() for i in range(40,101,20): circle(i) end_fill() </pre>		

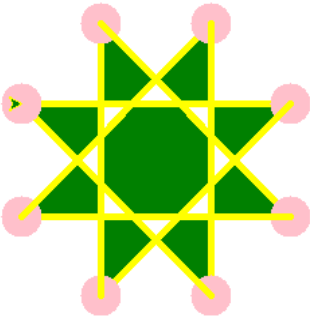
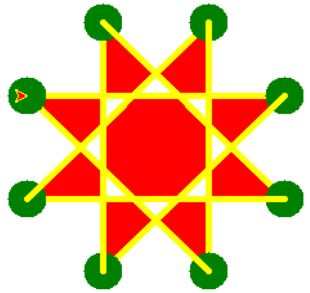
After typing and running the program, modify the same program to get the second output (**Output 2**). Then save this file to **Exam10** folder in **Home** with *your RegisterNumber_Question Number* as the file name.

17. A Python program and the output (**Output 1**) obtained when it is run is given.

Program	Output 1	Output 2
<pre> from turtle import* pensize(10) for i in range(3): right(120) color("red") forward(80) color("yellow") circle(12) </pre>		

After typing and running the program, modify the same program to get the second output (**Output 2**). Then save this file to **Exam10** folder in **Home** with *your RegisterNumber_Question Number* as the file name.

18. A Python program and the output (**Output 1**) obtained when it is run is given.

Program	Output 1	Output 2
<pre> from turtle import* pensize(5) color("yellow","green") begin_fill() for i in range(8): forward(200) right(135) dot(30,"pink") end_fill() </pre>		

After typing and running the program, modify the same program to get the second output (**Output 2**). Then save this file to **Exam10** folder in **Home** with your *RegisterNumber_Question Number* as the file name.

19. The file namely **Clubs.odt** given in the Exam_documents folder in Home contains details of the various club members in a school. Prepare a query using the **Queries** tool in the LibreOffice Base to retrieve only the information of students in the **SPC** category from the **Members** table.

Hints:-

- Use the **Use Wizard to Create Query** in Queries. Select **Table:Members** from **Tables** in **Field selection** in the wizard.
- Fields to be included: **AdNo, Name, Club.**
- Search Condition : **Members.Club is equal to SPC**

Save the modified file (**File → Save As**) to the **Exam10** folder in **Home** with your *RegisterNumber_QuestionNumber* as the file name.

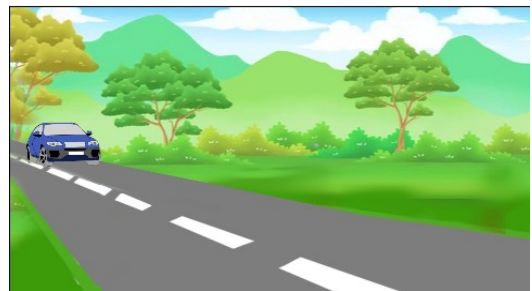
20. The file namely **Score.odt** given in the Exam_documents folder in Home contains the score details of students of a class. Prepare a report of the students who have **scored more than 35 in mathematics** using the **Reports** option in the LibreOffice Base as per the following instructions.

- Use the **Mathematics_Mark** query given in the database file to prepare the report. (Select **Query:Mathematics_Mark** query from **Tables or queries** in **Field selection** in Report Wizard)
- Include **Class No, Name** and **Mathematics** fields in the report.

Save this report (**File → Save As**) with your *RegisterNumber_QuestionNumber* as the file name to **Exam10** folder in **Home**.

21. Create the animation of a moving car using Synfig Studio software as per the instructions given below.

- Open the file **car.sifz** given in Exam_documents folder in Home.
- Use the image **car.png** given in the **Images10** folder in **Home**.
- Reduce the size of the car and adjust it to the left side of the canvas.
- Then, animate the car so that it comes forward with size increased and move along the road.



Render this animation in flv format and save it to Exam10 folder in Home with *your registernumber_questionnumber* as the file name.

22. Create an animation of a boat moving in the sea using SynfigStudio software.

Hint:

- Include the images **sea.png**, **boat.png** given in the **Images10** folder in **Home**.

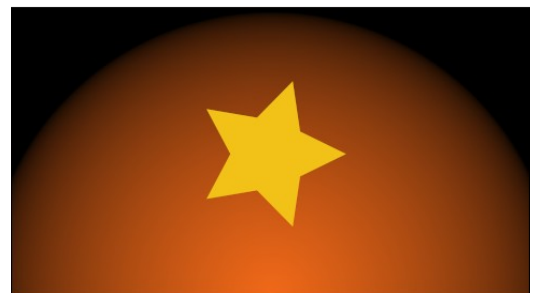


Save the animation with your RegisterNumber_QuestionNumber as the filename in the **Exam10** folder in **Home**.

23. Open the file named **star.sifz** given in **Exam_documents** in **Home** using the Synfig Studio software and prepare an animation as per the instructions given below.

Hints:

- Draw the picture of a star.
- Animate the image so that it appears in its current size at frame '0' and doubles at frame '120'.



Save the animation with your *RegisterNumber_QuestionNumber* as the file name to **Exam10** in **Home**. Render and save this file in flv format with the same file name.

24. A webpage namely **kerala_tourism.html** related to Kerala Tourism is given in the Exam_documents folder in Home. Make this webpage attractive as per the instructions given below.

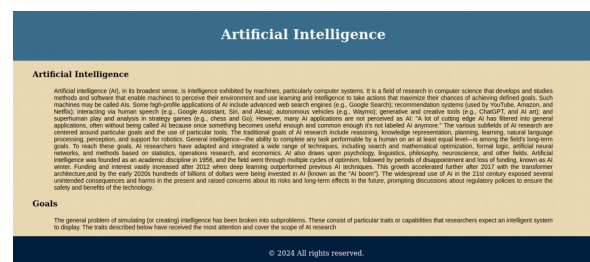
- Open the file **kerala_tourism.html** in text editor.
- Give white colour to the the main heading of the web page (Kerala Tourism) and gray colour to its background.
- Give red colour to the subheadings.
- Give yellow colour to the background of the web page.



Save the file using the Save As option to the Exam10 folder in Home with *your RegisterNumber_QuestionNumber* as the file name. Then open this file in web browser and display it.

25. A web page namely **index.html** related to Artificial Intelligence is given in the folder **AI** in Exam_documents in Home. Open it in text editor and include external stylesheet to make the webpage attractive as given in the model.

- The file named **ai.css** in the folder **AI** in Exam_documents should be linked to the webpage.
- Copy the file **ai.css** to Exam10 before proceeding.



Save the file using the Save As option to the Exam10 folder in Home with *your RegisterNumber_QuestionNumber* as the filename. Then open this file in web browser and display it.