2024 SSLC IT MODEL PRACTICAL EXAMINATION QUESTIONS & SAMPLE QUESTIONS WITH ANSWERS

Prepared By

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GROUP -I
INKSCAPE (Model)

Activity 1

Open the file **badge.svg** given in the Exam_documents folder in Home in Inkscape software and create a design of a badge as shown in the model given below.

Hint:

- Make another circle in the middle of the circle. Adjust its size.
- Type the text and arrange it according to the circle in the middle.

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

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Circle tool – Draw a Circle – Change the colour (Blue)– Take a Duplicate -Change the colour (Gray) – Arrange the Duplicate Circle**

*** Click on Text tool (A) – Type the text "SCHOOL KALOLSAVAM VOLUNTEER" - Change the colour - Text –Text and Font –Bold – Apply - Close**

*** Select the Text and small circle (Gray) using Shift key – Text – Put on path – Arrange as Question**

*** Select all - Object – Group**

*** File – Export as PNG – Export as – Select the Folder – Type the File name (Register Number_Question No)– Save – Export**

Activity 2

Create an image in Inkscape software as shown in the model.

- Group the entire image.

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

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Circle tool – Draw a Semi Circle – Change the colour(Green) – Take Duplicate and Change the colour (Red) – Arrange as Question**

*** Select the Red Colour Circle – Object – Fill and Stroke – Radial gradient - Change the colour to Light Red in Outer side of the Circle**

*** Click on Circle tool – Draw a small Black Circle – Take Duplicates and arrange as Question**

*** Select all - Object – Group**

*** File – Save – Select the Folder – Type the File name (Register Number_Question No)– Save**

Activity 3

Create an image in Inkscape software as shown in the model.

Hint:-

- Create a frame.
- Include the image **scenery.png** given in the Images10 folder in Home.
- Group the entire image.

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

*** Application – Graphics – Inkscape Vector Graphics Editor**
*** File – Document properties – Click on show Page border – Close the window**
*** Click on Rectangle tool – Draw a Rectangle – Select a colour(Gray)**
*** Select the rectangle – Object – Fill and Stroke – Click on Stroke Paint – Click on Flat Colour – Select the Colour (Brown) - Stroke style – Change the size as 2**
*** Select the rectangle – Take Duplicate – Resize the rectangle**
*** File – Import – Home - Images 10 – Select the image scenery.png - Ok – Adjust as Question**
*** Select all - Object – Group**
*** File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

Activity 4

Create an image in Inkscape software as shown in the model.

- Group the entire image.

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

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Rectangle tool – Draw a Rectangle – Select a colour**

*** Click on Rectangle tool – Draw a Rectangle Vertically (Black)**

*** Click on Circle tool – Draw a small Circle (Black) – Set as Question – Grouping both rectangles**

*** Click on Circle tool – Draw a Circle – Change the colour (Black) – Take a Duplicate – Change the colour – Resize the Duplicate Circle pressing Ctrl & Shift key – Select both Circles – Path – Difference**

*** Click on Rectangle tool – Draw a rectangle on the Circle for cutting – Select the rectangle and Circle - Path – Difference – Arrange as like Question**

*** Select all - Object – Group**

*** File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

Activity 5

Create a sticker in Inkscape software as shown in the model.

Hint:-

- Add the text GOD'S OWN COUNTRY to the image as shown in the model.

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

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Rectangle tool – Draw a Rectangle – Object – Fill and Stroke – Close the Fill Colour - Click on Stroke Paint – Click on Flat Colour – Select the Colour (Black) - Stroke style – Change the size as 3**

*** Click on Circle tool – Draw a Semi Circle (Yellow) – Object – Fill and Stroke – Radial gradient - Change the colour to Red in Outer side of the Circle**

*** Click on Text tool (A) – Type the text "GODS' OWN COUNTRY" - Change the colour - Text –Text and Font –Bold – Apply - Close**

*** Select the Semi circle and Text using Shift key - – Text – Put on path – Arrange as like in the Question**

*** Select all - Object – Group**

*** File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

Activity 6

Open the file **road_bg.svg** given in Exam_documents folder in Home in Inkscape sofware and complete the image as shown below.

Hint: Arrange the milestone behind the bushes as shown in the model.

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

* **Application – Graphics – Inkscape Vector Graphics Editor**
* **File – Document properties – Click on show Page border – Close the window**
* **File – Import – Home - Exam documents – Select the image road_bg.png - Ok –**
* **Click on Rectangle tool – Draw a Rectangle – Object – Fill and Stroke – Close the Fill Colour - Click on Stroke Paint – Click on Flat Colour – Select the Colour (Black) - Stroke style – Change the size as 2**
* **Click on Circle tool – Draw a Semi Circle (Yellow) – Object – Fill and Stroke – Click on Stroke Paint – Click on Flat Colour – Select the Colour (Black) - Stroke style – Change the size as 2**
* **Click on Text tool (A) – Type the texts - Change the colours - Arrange them**
* **Select the Circle and Rectangle Using Shift Key - Object – Group**
* **Set as Mile Stone Image like Question**
* **Select all - Object – Group**
* **File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

Activity 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.

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Rectangle tool – Draw a Rectangle – Object – Fill and Stroke – - Click on Stroke Paint – Click on Flat Colour – Select the Colour (Red) - Stroke style – Change the size as 2**

*** Select the rectangle - Object – Fill and Stroke - Linear gradient – Select a Dark on Bottom of the rectangle and light colour on the top of the rectangle - Adjust the Gradient like as Question**

*** Click on Circle tool – Draw a Semi Circle – Object – Fill and Stroke – Stroke Paint – No paint – Fill - Linear gradient – Select a Dark on Top of the rectangle and light colour on the Bottom of the Circle - Adjust the Gradient like as Question Arrange the clip on the board**

*** Click on Text tool (A) – Type the text "Clipboard" - Change the colour - Text – Text and Font –Bold – Apply – Close**

*** Select all - Object – Group**

*** File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

Activity 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.

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Circle tool – Draw a Circle (Gray) – Object – Fill and Stroke – Radial gradient - Change the colour to White in the Centre of Circle and adjust the gradient**

*** Click on Circle tool – Draw a Circle on the top of the circle – adjust the circle for cutting – Select both circles using Shift key – Path – Difference**

*** Click on Circle tool – Draw a Oval shape Circle on the top of the circle – Object – Fill and Stroke – linear gradient- Adjust the gradient Colour Dark Gray and White**

*** Click on Circle tool – Draw a small Circle as stand - Select the Stand – Object – Lower to bottom**

*** Select all - Object – Group**

*** File – Export as PNG – Export as – Select the Folder – Type the File name (Register Number_Question No)– Save – Export**

Activity 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.

*** Application – Graphics – Inkscape Vector Graphics Editor**

*** File – Document properties – Click on show Page border – Close the window**

*** Click on Circle tool – Draw a semi Circle – Select the colour – take a Duplicate - Change the colour – Resize the Duplicate Circle pressing Ctrl and Shift key - Take a Duplicate of Small circle and Set it out Side of the Big circle**

*** Click on Text tool (A) – Type the text "FREEDOM FEST 2023" - Change the colour - Text –Text and Font –Bold – Apply – Close**

*** Select the Duplicate circle and Text using Shift key – Text – Put on path**

*** Select the Semi circle – Object – Fill and Stroke – Click on No paint – arrange text on the like as question**

*** Click on Rectangle tool – Draw a rectangle (Gray) – Take Duplicate – Arrange like as Question**

*** Click on Rectangle tool – Draw a rectangle (Red) – Take Duplicate – Arrange like as Question**

*** Select all - Object – Group**

*** File – Save – Select the Folder – Type the File name (Register Number_Question No) – Save**

QGIS (Model)

Activity 1

A resource map named **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.

- Open the **Attribute table** of the **House** layer in the resource map and display the details of houses it contains.
- Take a screenshot and save it in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

Hint:-

Press the **Print Screen key** on the keyboard to take a screenshot. Then copy the Screenshot file from the Pictures folder and paste it into the Exam10 folder in Home. Rename the file as instructed.

*** Application – Education – QGIS Desktop – Ok**

*** Project – Open – Home – Exam documents – Qgis project – LocalMap.qgs**

*** Right click on the House layer –Open Attribute table –Place it nearest to the Map**

*** Take Screenshot (PrtSc Key) - Home – Pictures – Right Click on screenshot– Copy – Home –Exam 10 – Right click Paste - Right on the Screenshot – Rename**

Activity 2

A resource map named **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.

- Create a layer named **School**. (**Layer Type**: Point, **Attributes**: Name, Code)
- Select this layer and mark a **school** on the map.
  (id - 1, Name - GLPS, Code - 98765)

Save the resource map using the option **Project → Save As..** in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

*** Application – Education – QGIS Desktop – Ok**

*** Project – Open – Home – Exam documents – Qgis project – LocalMap.qgs**

*** Layer – Create layer – New Shapefile Layer – Click on Point – Type the New Attribute name = Name and Type = Text Data – Click on Add to attributes**

*** Type the New Attribute name = Code and Type = Whole number – Click on Add to attributes – Ok**

*** Save as Layer – Type the file name = School**

*** Click on Toggle editing tool – Clock on Add features – Click on Map- Type ID = 1, Name = GLPS , Code = 98765**

*** Project – Save as layer – Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 3

A resource map named **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.

- Show the layer **MainRoad** in the resource map.
- Change the **River** colour to **blue**.

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.

*** Application – Education – QGIS Desktop – Ok**

*** Project – Open – Home – Exam documents – Qgis project – LocalMap.qgs**

*** Click on Main Road layer for show the Main road layer**

*** Double Click on River layer – Change the Colour (Blue)**

*** Project – Save as image - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 1

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.

*** Application – Education – QGIS Desktop – Ok**

*** Project – Open – Home – Exam documents – Qgis project – LocalMap.qgs**

*** Click on Main Road layer for show the Main road layer**

*** Double Click on Main road layer – Change the Colour (Black)**

*** Project – Save as image - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

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.

*** Application – Education – QGIS Desktop – Ok**

*** Project – Open – Home – Exam documents – Qgis project – Mapdata.qgs**

*** Layer – Create layer – New Shapefile Layer – Click on Point – Type the New Attribute name = Owner and Type = Text Data – Click on Add to attributes**

*** Type the New Attribute name = Number and Type = Whole number – Click on Add to attributes – Ok**

*** Save as Layer – Type the file name = School**

*** Click on Toggle editing tool – Clock on Add features – Click on Map- Type ID = 1, Owner = Krishnan , Number = 666**

*** Click on Road layer for show the road layer**

*** Double Click on road layer – Change the Colour (Black)**

*** Project – Save as layer – Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

SUNCLOCK (Model)

Activity 1

Open the SunClock software and do the following activities.

- Display the time zone map on the Sunclock software.
- Show the longitudinal line and the main latitudinal lines.
- Remove the separation of day and night completely.
- 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.)

*** Application – Education – Sunclock – Maximise the window – Click on Window and get a tool Bar**

*** Click on "!" for Display the time line map**

*** Click on "M" for display the longitude**

*** Click on "T" for display the Latitude**

*** Click on "N" for Removing the separation of day and night**

*** Take Screenshot (PrtSc Key) - Home – Pictures – Right Click – Copy – Home – Exam 10 – Right click Paste - Right Click on the Screenshot – Rename**

Activity 2

Display the position of the sun and moon from any city in India on 21st December 2024 with the help of SunClock software. Take a screenshot 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 any Indian city.
- Make suitable changes in the progress value and adjust the date.
- Show the sun and moon on the map.
- Display the main latitudinal lines.

(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.)

*** Application – Education – Sunclock – Maximise the window – Click on Window and get a tool Bar**

*** Click on "!" for Display the time line map**

*** Click on "U" for display the Cities – Click on an Indian City**

*** Click on "T" for display the Latitude**

*** Click on "Y" for display the Son and Moon**

*** Click on "G" and progress value = 30 days - Click on "A" for forward - Click on "B" for backward for December**

*** Click on "G" and progress value = a day - Click on "A" for forward - Click on "B" for backward for 21**

*** Take Screenshot (PrtSc Key) - Home – Pictures – Right Click – Copy – Home – Exam 10 – Right click Paste - Right Click on the Screenshot – Rename**

SAMPLE QUESTIONS (SUNCLOCK)

Activity 1

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.)

*** Application – Education – Sunclock – Maximise the window – Click on Window and get a tool Bar**

*** Click on "!" for Display the time line map**

*** Click on "U" for display the Cities – Click on an Indian City**

*** Click on "T" for display the Latitude**

*** Click on "Y" for display the Son and Moon**

*** Click on "G" and progress value = 30 days - Click on "A" for forward - Click on "B" for backward for Year**

*** Click on "G" and progress value = 30 days - Click on "A" for forward - Click on "B" for backward for Year for Month**

*** Click on "G" and progress value = a day - Click on "A" for forward - Click on "B" for backward for Day**

*** Click on "G" and progress value = 1 Minutes – Click on "O" for Animation on – Click on ""for play the animation - Click on ""for Stop the animation -**

*** Take Screenshot (PrtSc Key) - Home – Pictures – Right Click – Copy – Home – Exam 10 – Right click Paste - Right Click on the Screenshot – Rename**

Activity 2

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.)

*** Application – Education – Sunclock – Maximise the window – Click on Window and get a tool Bar**

*** Click on "!" for Display the time line map**

*** Click on "M" for display the Longitude**

*** Click on "T" for display the Latitude**

*** Click on "Y" for display the Son and Moon**

*** Click on "G" and progress value = 30 days - Click on "A" for forward - Click on "B" for backward for Month**

*** Click on "G" and progress value = a day - Click on "A" for forward - Click on "B" for backward for Day**

*** Take Screenshot (PrtSc Key) - Home – Pictures – Right Click – Copy – Home – Exam 10 – Right click Paste - Right Click on the Screenshot – Rename**

GROUP -II
STYLES (Model)

Activity 1

An article on schoolwiki is given in Exam_documents folder in Home with the file name **Wiki.ott**. Open this file in LibreOffice Writer and create a new heading style with name **Schoolwiki** for all subheadings with the following attributes.

The new style Schoolwiki is to be created n the **Heading** 2 of the Heading section

Font family	: Ubuntu
Style	: Bold
Font size	: 110 %
Font color	: Red

Apply this new style for all subheadings. (All subheadings are green in colour.)

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

*** Home – Exam documents -Wiki.ott – Open**

*** Side bar setting (Right side of the window) – Styles – Right Click on Heading 2 – New**

*** Click on Organizer – Type the style name (Schoolwiki)**

*** Click on Font - Font family = Ubuntu , Size = 110%, Style =Bold**

*** Click on Font effect- Font colour = Red – Apply – Ok**

*** Select All subheadings Using Control key - Click on the left side of Heading 2(►) - Double Click on New style (School wiki)**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

An article on Linux operating system is given in Exam_documents folder in Home with the file name **Linux.ott.**

Open this file in LibreOffice Writer and create a new heading style **Linux** for all subheadings with the following attributes

The new style Linux is to be created n the **Heading** 1 of the Heading section

Font family	: Ubuntu
Style	: Bold
Font size	: 120 %
Font color	: Red

Apply the new style for all subheadings. (Subheadings are blue in colour)

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

*** Home – Exam documents -Linux.ott – Open**

*** Side bar setting (Right side of the window) – Styles – Right Click on Heading 1 – New**

*** Click on Organizer – Type the style name (Linux)**

*** Click on Font - Font family = Ubuntu , Size = 120%, Style =Bold**

*** Click on Font effect- Font colour = Red – Apply – Ok**

*** Select All subheadings Using Control key - Click on the left side of Heading 1(►) - Double Click on New style (Linux)**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 3

An article on famous scientists is given in the file **Scientist.ott** in Exam_documents folder in Home. Two styles with names **Scientist , Style_24** are included in file, where the **Scientist** is in the **Heading 1** style section and the **Style_24** is in the **Default** style section.

Open this file in LibreOffice Writer and do the following activities.

Apply the style **Scientist** to all subheadings (Subheadings are blue in colour), and the style **Style_24** to all paragraphs.

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

*** Home – Exam documents -Scientist.ott – Open**

*** Select the all Subheadings - Side bar setting (Right side of the window) – Styles – Click on the icon of (►) heading 1 - Double click on Scientist**

*** Select the all paragraphs – Styles – Double click on Style_24**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 4

An article on Theyyam, a ritual art of Kerala, is given in Exam_documents folder in Home with the file name **Theyyam.ott**. Open this file in LibreOffice Writer and apply the style **Heading 2** for all sub headings.(Sub headings are red in colour.)

Then modify the style **Heading 2** according to the given instructions.

Font Family	: Nimbus Sans L
Font Size	: 140 %
Font Color	: Teal
Underline	: Single

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

* **Home – Exam documents -Theyyam.ott – Open**
* **Side bar setting (Right side of the window) – Styles – Right Click on Heading 1 – Modify**
* **Click on Font - Font family = Nimbus Sans L , Size = 140%, Style =Bold**
* **Click on Font effect- Font colour = Teal, Underlining = Single – Apply – Ok**
* **Select All subheadings Using Control key - Double Click on Heading 2**
* **File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

SAMPLE QUESTIONS (STYLES)

Activity 1

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.

* **Home – Exam documents -Linux.ott – Open**
* **Side bar setting (Right side of the window) – Styles – Right Click on Heading 1 – New**
* **Click on Organizer – Type the style name (Linux)**
* **Click on Font - Font family = Babel Unicode , Size = 130%, Style =Bold**
* **Click on Font effect- Font colour = Red, Underlining – Apply – Ok**
* **Select All subheadings Using Control key - Click on the left side of Heading 1(►) - Double Click on New style (Linux)**
* **File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

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.

*** Home – Exam documents -Magazine.ott – Open**

*** Side bar setting (Right side of the window) – Styles – Right Click on Heading 1 – Modify**

*** Click on Font - Font family = BABEL Unicode , Size = 120%**

*** Click on Font effect- Font colour = Green – Apply – Ok**

*** Select All subheadings Using Control key- Double Click on Heading 1**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

INDEX AND TABLE (Model)

Activity 1

An article on inert gases is given in the Exam_documents folder in Home with the file name **Noble_gases.ott**. Open this file in LibreOffice Writer and create a table of contents for the article using the Table of Contents and Index technique.

Hints:-

- Apply the style **Heading 1** for the main heading The noble gases.
- Apply the style **Heading 2** for subheadings(Subheadings are red in colour).
- Include the table of contents in the first page itself.

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

*** Home – Exam documents -Noble_gases.ott – Open**

*** Select all Subheadings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 1**

*** Click on the left side of first letter of the file – Insert – Page break – Click on new page – insert – Table of Content and index – Table of Content, index or bibliography - ok**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

Articles on open source software are given in Exam_documents folder in Home with the file name Open_source.ott.

Open this file in LibreOffice Writer and create the table of contents for the article using the Table of Contents and Index technique.

Hints:-

- Apply the style **Heading 1** for the main heading Open source
- Apply style **Heading 2** for subheadings.(Subheadings are red in colour)
- Create the table of Contents on the first page of the article.

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

*** Home – Exam documents -Open_source.ott – Open**

*** Select the Main headings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 1**

*** Select all Subheadings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 2**

*** Click on the left side of first letter of the file – Insert – Page break – Click on new page – insert –Table of Content and index – Table of Content, index or bibliography - ok**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 3

An article on the various planets is given in Exam_documents folder of Home with the file name **Planets.ott** . Open this file in LibreOffice Writer and create a table of contents for the article using the Table of Contents and Index technique.

Hints:-

- Apply the style **Heading 1** for the main heading **The solar system.**
- Apply the style **Heading 2** for subheadings(Subheadings are green in colour)
- Create the Table of Contents on the first page of the article.

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

*** Home – Exam documents -Planets.ott – Open**

*** Select the Main headings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 1**

*** Select all Subheadings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 2**

*** Click on the left side of first letter of the file – Insert – Page break – Click on new page – insert –Table of Content and index – Table of Content, index or bibliography - ok**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 4

An article on Wikipedia is given in the Exam_documents folder in Home with the file name Wikipedia.ott.

Open this file in LibreOffice Writer and create a table of contents for the article using the Table of Contents and Index technique.

Hints:-

- Apply the style **Heading** 1 for the main heading Wikipedia
- Apply the style **Heading** 2 for subheadings.(Subheadings are red in colour)
- Create the Table of Contents on the first page of the article.

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

*** Home – Exam documents -Wikipedia.ott – Open**

*** Select the Main headings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 1**

*** Select all Subheadings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 2**

*** Click on the left side of first letter of the file – Insert – Page break – Click on new page – insert –Table of Content and index – Table of Content, index or bibliography - ok**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

SAMPLE QUESTIONS (INDEX AND TABLE)

Activity 1

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.

*** Home – Exam documents -Mathematicians.ott – Open**

*** Select all Subheadings - Side bar setting (Right side of the window) – Styles – Double Click on Heading 1**

*** Click on the left side of first letter of the file – Insert – Page break – Click on new page – insert –Table of Content and index – Table of Content, index or bibliography - ok**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

MAIL MERGE (Model)

Activity 1

Prepare an invitation letter to invite parents for the an awareness program conducted at the school using the mail merge technique in LibreOffice Writer.

The details of the parents are given in Exam_documents folder in Home with the file name **Guardian.ods** and the sample invitation Letter with the file name **Awareness.ott** in the same folder.

Save the invitation letters as a single file in Exam10 folder in Home giving your RegisterNumber_QuestionNumber as the filename.

*** Home – Exam documents -Awareness.ott – Open**

*** Insert – Field – More field – Data base -Mail Merge**

*** Browse – Home – Exam documents - Guardian.ods -Open**

*** Click on left side Triangle of Guardian - Click on left side Triangle of Sheet 1 -**

*** Drag the Name, House Name , Pin code – Close**

*** File – Print – Yes – File – Ok - Click on Home – Exam 10 - Type the File name (Register Number_Question No) – Save – Close the Window – Don't Save**

*** Home - Exam 10 - Open the newly saved file**

Activity 2

Prepare an invitation letter to invite parents for a cyber security awareness class organized by the school's Little Kites Club using mail merge technique in LibreOffice Writer. The details of the parents are given in the Exam_documents folder in Home with the file name **Parents_Details.ods** and the sample invitation letter in the same folder with the file name **Notice.ott**.

Save the invitation letters as a single file in Exam10 folder in Home with your RegisterNumber_QuestionNumber as its filename.

*** Home – Exam documents - Notice.ott – Open**

*** Insert – Field – More field – Data base -Mail Merge**

*** Browse – Home – Exam documents - Parents_Details.ods -Open**

*** Click on left side Triangle of Parents_Details - Click on left side Triangle of Sheet 1**

*** Drag the Name, Name of Parent, Student Name, Address, Pin – Close**

*** File – Print – Yes – File – OK - Click on Home – Exam 10 - Type the File name (Register Number_Question No) – Save – Close the Window – Don't Save**

*** Home - Exam 10 - Open the newly saved file**

Activity 3

Prepare ID cards for the students of School Little Kites using mail merge technique in LibreOffice Writer.

The details of club members are given in the Exam_documents folder in Home with the file name **Card.ods** and the sample ID Card with the file name **LK_card.ott** in the same folder.

Save the ID Cards as a single file in Exam10 folder in Home with your RegisterNumber_QuestionNumber as its filename.

Prepare an invitation letter to invite parents for a cyber security awareness class organized by the school's Little Kites Club using mail merge technique in LibreOffice Writer. The details of the parents are given in the Exam_documents folder in Home with the file name **Parents_Details.ods** and the sample invitation letter in the same folder with the file name **Notice.ott**.

Save the invitation letters as a single file in Exam10 folder in Home with your RegisterNumber_QuestionNumber as its filename.

*** Home – Exam documents - LK_card.ott – Open**

*** Insert – Field – More field – Data base -Mail Merge**

*** Browse – Home – Exam documents - Card.ods -Open**

*** Click on left side Triangle of Card - Click on left side Triangle of Sheet 1**

*** Drag the Name, Admission No, Class & Div, LK Batch – Close**

*** File – Print – Yes – File – OK - Click on Home – Exam 10 - Type the File name (Register Number_Question No) – Save – Close the Window – Don't Save**

*** Home - Exam 10 - Open the newly saved file**

Activity 4

Prepare identity cards for students who are participating in the state school Youth festival using mail merge technique in LibreOffice Writer.

The details of the students are given in Exam_documents folder in Home with the file name **Participants.ods** and the sample ID Card in the same folder with the file name **ID_Card.ott** .

Save the ID Cards as a single file in Exam10 folder in Home giving your RegisterNumber_QuestionNumber as the filename.

*** Home – Exam documents - ID_Card.ott – Open**

*** Insert – Field – More field – Data base -Mail Merge**

*** Browse – Home – Exam documents - .Participants.ods -Open**

*** Click on left side Triangle of Participants - Click on left side Triangle of Sheet 1**

*** Drag the Name of participant, Name of Competing Item, Admission No, Standard , Name of School – Close**

*** File – Print – Yes – File – OK - Click on Home – Exam 10 - Type the File name (Register Number_Question No) – Save – Close the Window – Don't Save**

*** Home - Exam 10 - Open the newly saved file**

SAMPLE QUESTIONS (MAIL MERGE)

Activity 1

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.

*** Home – Exam documents - Profile_.ott – Open**

*** Insert – Field – More field – Data base -Mail Merge**

*** Browse – Home – Exam documents - .Studnets.ods -Open**

*** Click on left side Triangle of Students - Click on left side Triangle of Sheet 1**

*** Drag the Admission No, Name of Student, Gender , Class & Division – Close**

*** File – Print – Yes – File – OK - Click on Home – Exam 10 - Type the File name (Register Number_Question No) – Save – Close the Window – Don't Save**

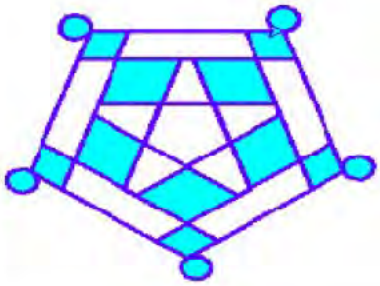
*** Home - Exam 10 - Open the newly saved file**

GROUP -III
PYTHON (Model)

Activity 1

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

Program	Output 1	Output2

`from turtle import*`
`pensize(3)`
`color("blue","cyan")`
`begin_fill()`
`for i in range(5):`
`  right(72)`
`  forward(25)`
`  for j in range(5):`
`  forward(75)`
`  right(72)`
`  forward(100)`
`  circle(10)`
`end_fill()`
		

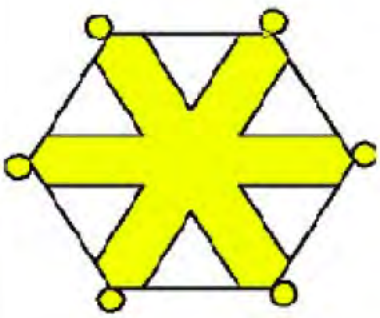
Type the given program and run it so as to get the First output(output 1). Rewrite the same program to get second output **(Output 2)**. Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

*** Application – Programming – IDLE – File – New File**
*** Type the Programme in new file same as given in the Question**
*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**
*** Run – Run Module**
*** Edit the Programme**
3rd Line = color("purple", "yellow")
*** Run – Run Module**

Activity 2

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

Program	Output 1	Output 2

`from turtle import*`
`pensize(3)`
`color("black","yellow")`
`begin_fill()`
`for i in range(6):`
`  right(60)`
`  forward(25)`
`  for j in range(3):`
`  forward(75)`
`  right(120)`
`  forward(100)`
`  circle(10)`
`end_fill()`
		

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.

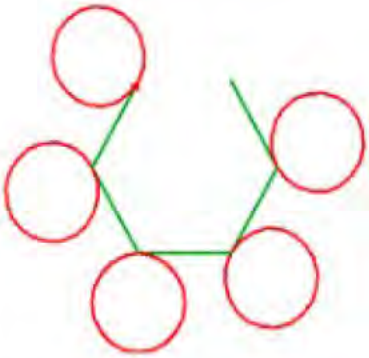
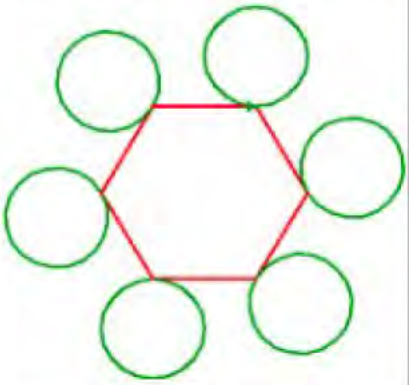
* Application – Programming – IDLE – File – New File
* Type the Programme in new file same as given in the Question
* File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save
* Run – Run Module
* Edit the Programme

  3rd Line = color("black", "yellow")
* Run – Run Module

Activity 3

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

program	Output 1	Output 2

`from turtle import *`
`pensize(3)`
`for i in range(5):`
`  color("green")`
`  right(60)`
`  forward(100)`
`  color("red")`
`  circle(50)`
		

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.

* Application – Programming – IDLE – File – New File
* Type the Programme in new file same as given in the Question
* File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save
* Run – Run Module
* Edit the Programme

  3rd Line = for i in range(6)

  4th Line = color("red")

  7th Line = color("green")
* Run – Run Module

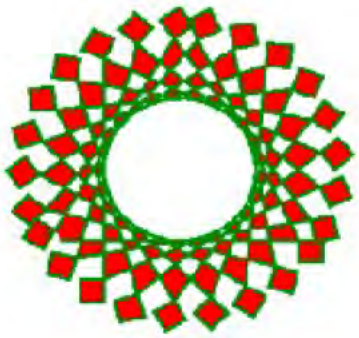
Activity 4

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

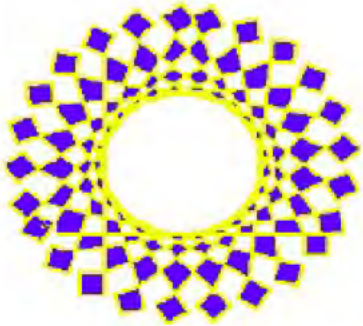
Program

```
from turtle import *
pensize(3)
color("green","red")
begin_fill()
for i in range(25):
    forward(200)
    for j in range(4):
        forward(20)
        right(90)
    left(115)
end_fill()
```

Output 1



Output 2



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.

*** Application – Programming – IDLE – File – New File**

*** Type the Programme in new file same as given in the Question**

*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

*** Run – Run Module**

*** Edit the Programme**

3rd Line = color("yellow","blue")

*** Run – Run Module**

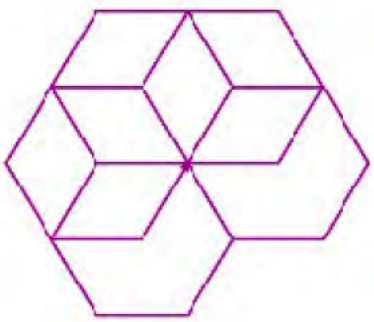
Activity 5

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

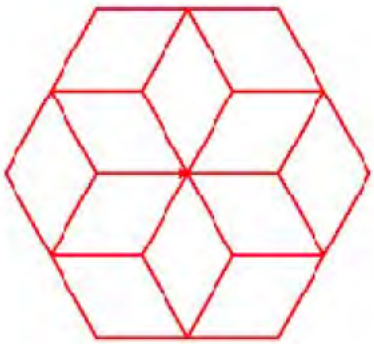
Program

```
from turtle import *
pensize(3)
color("purple")
for i in range(5):
    right(60)
    for j in range(6):
        forward(100)
        right(60)
```

Output 1



Output 2



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.

* Application – Programming – IDLE – File – New File
* Type the Programme in new file same as given in the Question
* File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save
* Run – Run Module
* Edit the Programme

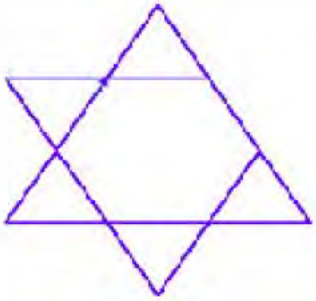
    3rd Line = color("red")

    4th Line = for i in range(6):
* Run – Run Module

Activity 6

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

program	Output 1	Output 2

`from turtle import *`
`pensize(3)`
`color("blue")`
`for i in range(5):`
`  right(60)`
`  forward(100)`
`  for j in range(3):`
`  forward(100)`
`  right(120)`
		

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.

* Application – Programming – IDLE – File – New File
* Type the Programme in new file same as given in the Question
* File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save
* Run – Run Module
* Edit the Programme

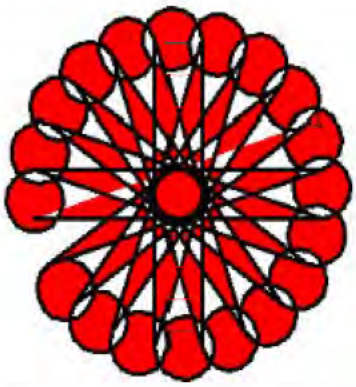
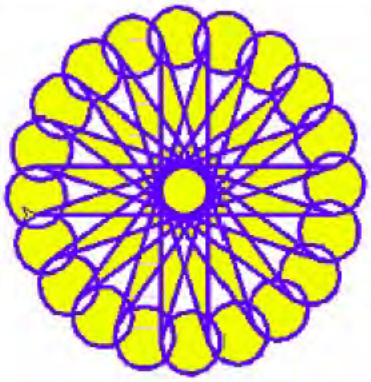
    3rd Line = color("yellow")

    4th Line = for i in range(6):
* Run – Run Module

Activity 7

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

Program	Output 1	Output 2

`from turtle import *`
`pensize(3)`
`color("black","red")`
`begin_fill()`
`for i in range(19):`
`  forward(200)`
`  circle(20)`
`  left(162)`
`end_fill()`
		

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.

*** Application – Programming – IDLE – File – New File**

*** Type the Programme in new file same as given in the Question**

*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

*** Run – Run Module**

*** Edit the Programme**

3rd Line = color("blue","yellow")

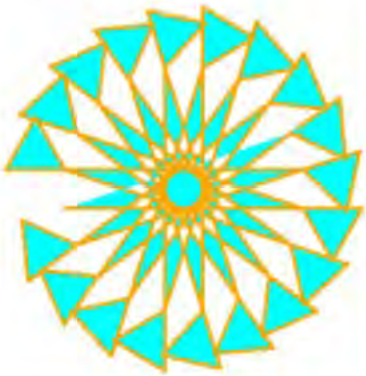
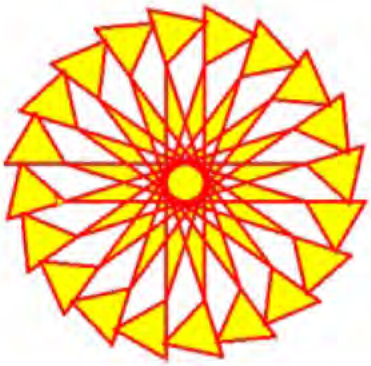
4th Line = for i in range(20):

*** Run – Run Module**

Activity 1

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

Program	Output 1	Output 2

`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()`
		

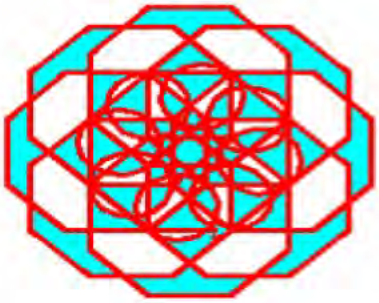
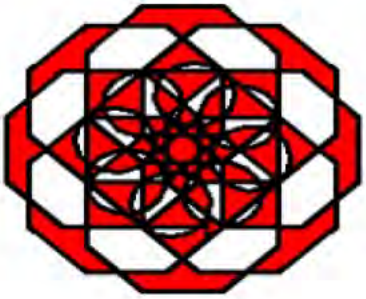
Type the given program and run it so as to get the First output (**Output 1**). Rewrite the same program to get second output **(Output 2)**. Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

*** Application – Programming – IDLE – File – New File**
*** Type the Programme in new file same as given in the Question**
*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**
*** Run – Run Module**
*** Edit the Programme**
3rd Line = color("red","yellow")
5th Line = for i in range(20):
*** Run – Run Module**

Activity 2

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

Program	Output 1	Output 2

`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()`
		

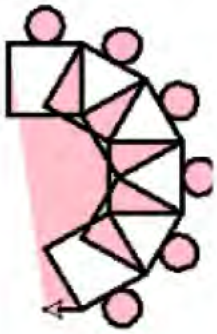
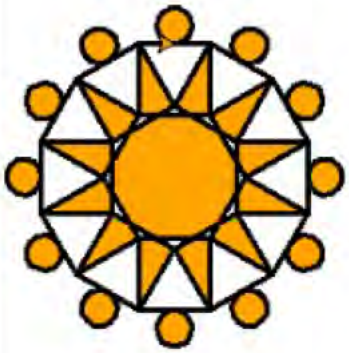
Type the given program and run it so as to get the First output (**Output 1**). Rewrite the same program to get second output **(Output 2)**. Save it in the folder Exam10 in Home with your RegisterNumber_QuestionNumber as its filename.

*** Application – Programming – IDLE – File – New File**
*** Type the Programme in new file same as given in the Question**
*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**
*** Run – Run Module**
*** Edit the Programme**
3rd Line = color("black","red")
*** Run – Run Module**

Activity 3

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

Program	Output 1	Output 2

`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()`
		

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.

*** Application – Programming – IDLE – File – New File**
*** Type the Programme in new file same as given in the Question**
*** File – Save - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**
*** Run – Run Module**
*** Edit the Programme**
3rd Line = color("black","orange")
5th Line = for i in range(12):
*** Run – Run Module**

DATA BASE (Model)

Activity 1

The details of various players are given in Exam_documents folder in Home with the file name **Sports.odb**. Prepare a query using the Queries technique in the LibreOffice Base to get only the names of players and the number of wickets taken by them **(Total_Wickets)** who come under **BOWLER category**, from the **Cricketmen table.**

Hints:-

- To prepare the query use the **Use Wizard to Create Query** technique in Queries .
- Fields to include: Player_Name, Total_Wickets in the query, Player_Category.
- Search Condition : Player_Category is equal to BOWLER

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

*** Home – Exam documents -Sports.odb – Open**

*** Queries – Use wizard to create Query**

*** Available fields (Player_Name , Total_Wickets , Player_Category) transferred to Fields in the Query – Next – Next – Select the field = Player_Category is equal to BOWLER – Finish – Close the Query**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

The details of various athletes are given in the file **Sports.odb 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.

*** Home – Exam documents -Sports.odb – Open**

*** Queries – Use wizard to create Query**

*** Available fields (Player_Name ,No_of_Goals) transferred to Fields in the Query – Next – Next – Select the field = No_of_Goals is equal or greater than 100 - Finish – Close the Query**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 3

The details of various players are given in the Exam_documents folder of Home with the file name **Sports.odb**. Prepare a report as per the instructions given below using Reports tool in the LibreOffice base.

- Use **Query_MidFielders** given in the database file to generate the report. (Select Query_MidFielders from "*Tables or queries*" in Field selection in Report Wizard).
- Fields to include in the report : Player_Name, No_of_Matches and No_of_Goals.

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

*** Home – Exam documents -Sports.odb – Open**

*** Reports – Use wizard to create Report – Tables or Queries change to Query_MidFielders**

*** Available fields (Player_Name ,No_of_Matches, No_of_Goals) transferred to Fields in the Report - Finish**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 4

The details of various players are given in Exam_documents folder of Home with the file name **Sports.odb**. Prepare a report as per the instructions given below using Reports tool in the LibreOffice Base.

- Use the query **Query_TopScorers** provided in the database file to generate the report. (Select Query_TopScorers from "*Tables or queries*" from Field selection in Report Wizard)
- Fields to include in the report : Player_Name, Player_Category and Total_Runs.

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

*** Home – Exam documents -Sports.odb – Open**

*** Reports – Use wizard to create Report – Tables or Queries change to Query_TopScorers**

*** Available fields (Player_Name ,Player_Category, Total Runs) transferred to Fields in the Report - Finish**

*** File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 5

The details of various athletes are given in the file **Sports.odb** 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.

* **Home – Exam documents -Sports.odb – Open**
* **Reports – Use wizard to create Report – Tables or Queries change to Query_Karnataka**
* **Available fields (Player_Category ,Total_Runs, Total_Wickets) transferred to Fields in the Report - Finish**
* **File – Save as - Home – Exam 10 - Type the File name (Register Number_Question No) – Save**

GROUP -IV
ANIMATION (Model)

Activity 1

In order to add an initial title for the video prepared as part of Software Freedom Day, create an animation title in Synfig Studio software as per the instructions given below.

Hints:-

- Prepare a suitable background.
- Use the image **sfd.png** given in the Images10 folder in Home, for "*software freedom day*" banner.
- Create the animation in such a way that the banner zooms in and fills the entire canvas. Run the animation.

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

* **Application – Graphics – Synfig Studio**
* **Select rectangle tool – Draw a rectangle – Change the colour**
* **File – Import – Images 10 – sfd.png – Import – Click on Image – Resize and arrange the image as Centre**
* **Select the Image – Turn on animation mode – 120f – Maximise the image – Turn of animation mode – Play**
* **File – Save – Select the folder Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

Create an animation of a bird flying to a tree branch using SynfigStudio software.

Hint:-

Include the images **tree.png, bird.png** given in the Images10 folder in Home.

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

*** Application – Graphics – Synfig Studio**

*** File – Import – Images 10 – tree.png – Import**

*** File – Import – Images 10 – bird.png – Import– Click on Image – Resize and arrange the image for flying**

*** Select the Image (bird) – Turn on animation mode – 120f – Drag to right Side – Turn of animation mode – Play**

*** File – Save – Select the folder Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 3

Create an animation of an aeroplane taking off from runway using Synfig Studio software.

Hint:

- Include the images **airport.png, plane.png** given in the Images10 folder in Home.
- Use the image **airport.png** as background.

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

*** Application – Graphics – Synfig Studio**

*** File – Import – Images 10 – airport.png – Import**

*** File – Import – Images 10 – plane.png – Import– Click on Image – Resize and arrange the image for flying**

*** Select the Image (plane) – Turn on animation mode – 120f – Drag to top of left side –Turn of animation mode – Play**

*** File – Save – Select the folder Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 4

Create an animation of a cloud moving away in the sky in Synfig Studio software, using the file **sky.sifz** which is given in Exam_documents folder in Home. [Use **File → Open**]

Hints:

- For cloud, use the image **cloud.png** in the Images10 folder in Home.
- The animation should be done in such a way that the cloud gets smaller as it moves away.
- Run the animation

Render the animation to **flv** format and save it in the Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

*** Application – Graphics – Synfig Studio**

*** File – Open – Home - Exam documents – Double Click on sky.sifz**

*** File – Import – Images 10 – cloud.png – Import– Click on Image – Resize and arrange it**

*** Select the Image (cloud) – Turn on animation mode – 120f – minimise the size of cloud -Turn of animation mode – Play**

*** File – Render – Choose - Home - Exam 10 - Type the File name .flv (Register Number_Question No.flv) – Ok - Render**

Activity 5

In Synfig studio software , create an animation of a train moving through the track, using the file **track.sifz** which is given in Exam_documents folder in Home.
[Use **File → Open**]

Hints:

- For the image of the train, use the image **train.png** given in the Images10 folder in Home.
- Run the animation

  Render the animation to **flv format** and save in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

*** Application – Graphics – Synfig Studio**

*** File – Open – Home - Exam documents – Double Click on track.sifz**

*** File – Import – Images 10 – train.png – Import– Click on Image – Resize and arrange the image for running**

*** Select the Image (train) – Turn on animation mode – 120f – Drag to left side – Turn of animation mode – Play**

*** File – Render – Choose - Home - Exam 10 - Type the File name .flv (Register Number_Question No.flv) – Ok - Render**

Activity 6

In Synfig Studio , animate the background of the file **rider.sifz** which is given in Exam_documents folder, to make the feel that the rider is moving forward. [Use **File → Open**]

Hints:

- For the scooter rider, use the image **rider.png** given in the Images10 fold Home.
- Place the rider at the centre of the canvas and animate the background.
- Run the animation

Render this animation to **flv format** and save in Exam10 folder in Home with your RegisterNumber_QuestionNumber as the filename.

*** Application – Graphics – Synfig Studio**

*** File – Open – Home - Exam documents – Double Click on rider.sifz**

*** File – Import – Images 10 – rider.png – Import– Click on Image – Resize and arrange the image as centre**

*** Select the background Image – Turn on animation mode – 120f – Drag to left side – Turn of animation mode – Play**

*** File – Render – Choose - Home - Exam 10 - Type the File name .flv (Register Number_Question No.flv) – Ok - Render**

SAMPLE QUESTIONS (ANIMATION)

Activity 1

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.

*** Application – Graphics – Synfig Studio**

*** File – Import – Images 10 – ground.png – Import**

*** File – Import – Images 10 – football.png – Import– Click on Image – Resize and arrange the ball**

*** Select the Image (Ball) – Turn on animation mode – 120f – Drag to Goal post – Turn of animation mode – Play**

*** File – Save – Select the folder Exam 10 - Type the File name (Register Number_Question No) – Save**

Activity 2

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.

*** Application – Graphics – Synfig Studio**

*** File – Open – Home - Exam documents – Double Click on Project_1.sifz**

*** File – Import – Images 10 – jeep.png – Import– Click on Image – Resize and arrange the jeep for running**

*** Select the jeep – Turn on animation mode – 120f – Drag to right side – Turn of animation mode – Play**

*** File – Render – Choose - Home - Exam 10 - Type the File name .flv (Register Number_Question No.flv) – Ok - Render**

WEBPAGE (Model)

Activity 1

A webpage developed for a school cricket team is given. Modify the webpage as shown in the model.

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

- Set **background-color** to **#081b0a** and **text-align** to **center** of the main title on the webpage (Champions Cricket Club)
- Set **font-size** of the **paragraph** to **20px** as shown in the model
- Set **background color** of the web page to **#81b886**

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.

*** Home – Exam documents – Right click on cricket_club.html – Open with Other application – Text editor**

*** Make the underlined Changes given below**

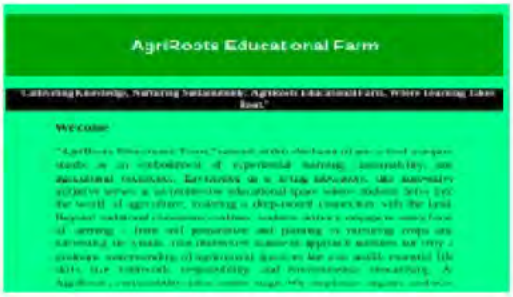
```
<style>
    h1.header {
      color: white;
      background-color: #081b0a;
      text-align: center;
      padding: 5%;}
     p {
      font-size: 20px;
      text-align: justify;
      padding: 0 10%; }
     body {
      background: #81b886;}
```

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

Activity 2

Create a webpage as shown in the model as per the given instructions.



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

- Set **font-family** to **Arial** and **background color** to **green** of the main heading of the web page (AgriRoots Educational Farm).
- Set **font-size** of the paragraphs to **22px**
- Set **background color** of the webpage to **lightgreen**.

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.

*** Home – Exam documents – Right click on vegetable_farm.html – Open with Other application – Text editor**

*** Make the underlined Changes given below**

```
<style>
    h1.header {
      font-family: Arial;
      color: white;
      background-color: green;
      text-align: center;
      padding: 5%; }
    p {
      font-size: 22px;
      text-align: justify;
      padding: 0 10%;}
    body {
      background: lightgreen;}
```

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

Activity 3

A webpage **index.html** related to Career Fest is given in the folder career_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.

- Begin the activity by including the file **career.css** given in the folder career_fest in Exam_documents to the web page. Copy the file **career.css** to Exam10 before beginning the activity.

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

*** Home – Exam documents – Career_fest - Right click on career.css – Copy – Home – Exam 10– Right Click – paste -**

*** Home – Exam documents – Career_fest - Right click on index.html – Open with Other application – Text editor**

*** Type the following command in side the head part**

<link rel="stylesheet" type="text/css" href="career.css">

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

Activity 4

A webpage **Poets.html**, containing information of important Malayalam poets is available in the folder Poets in Exam_documents folder in Home. Open this webpage in a text editor. Add **external styles** to it to make the webpage look attractive as shown in the model.

- Link the file **Poet_style.css** given in the folder Poets to the webpage.
  (Copy the **Poet_style.css** file to Exam10 before beginning the activity.)

Save the modified file **Poets.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.

*** Home – Exam documents – Poets - Right click on poet_style.css – Copy – Home – Exam 10– Right Click – paste -**

*** Home – Exam documents – Poets - Right click on poets.html – Open with Other application – Text editor**

*** Type the following command in side the head part**

<link rel="stylesheet" type="text/css" href="poet_style.css">

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

Activity 5

A webpage **Samagra.html** is provided in the folder Samagra in Exam_documents in Home. Open this webpage in a text editor. Add **external styles** to it and make the webpage look attractive as given in the model.

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

Save the modified file **Samagra.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.

*** Home – Exam documents – samagra - Right click on samgra_style.css – Copy – Home – Exam 10– Right Click – paste -**

*** Home – Exam documents – samagra - Right click on samagra.html – Open with Other application – Text editor**

*** Type the following command in side the head part**

<link rel="stylesheet" type="text/css" href="samagra_style.css">

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

SAMPLE QUESTIONS (WEBPAGE)

Activity 1

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.

*** Home – Exam documents – Right click on vegetable_farm.html – Open with Other application – Text editor**

*** Make the underlined Changes given below**

```
<style>
    h1.header {
        font-family: serif;
        color: white;
        background-color: darkred;
        text-align: center;
```

```
        padding: 5%;}
      p {
        font-size: 22px;
        text-align: justify;
        padding: 0 10%; }
body {
        background: white; }
```

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**

Activity 2

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.

*** Home – Exam documents – robo_fest - Right click on robo.css – Copy – Home – Exam 10– Right Click – paste -**

*** Home – Exam documents – robo_fest - Right click on index.html – Open with Other application – Text editor**

*** Type the following command in side the head part**

<link rel="stylesheet" type="text/css" href="robo.css">

*** File – Save as - Home – Exam 10 - Type the File name.html (Register Number_Question No.html) – Save**

*** Home – Exam 10 – Open the newly saved html file**