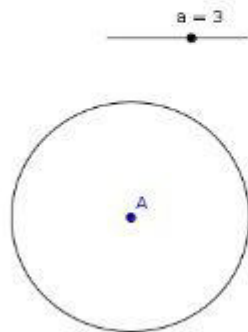


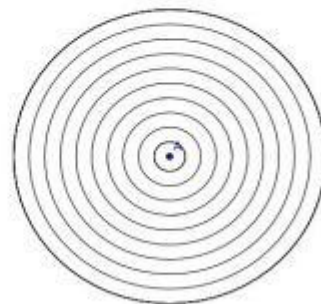
www.shenischool.in

Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_ Question Number as file name.

- Create a slider with values ranging from 0 to 5.
- Construct a circle and the radius of which can be controlled by the slider.
- Apply the option Trace on to the circle
- Apply animation to the slider and create the pattern.



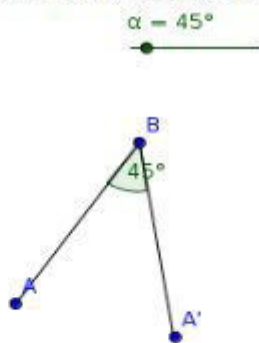
Construction



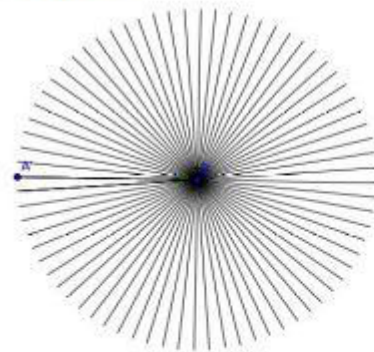
Pattern

Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_ Question Number as file name.

- Create a slider with values ranging from 0 to 360 .
- Construct an angle which can be controlled by the slider.
- Apply the option Trace on to the side of the angle(BA') which moves when we move the slider .
- Apply animation to the slider and create the pattern.



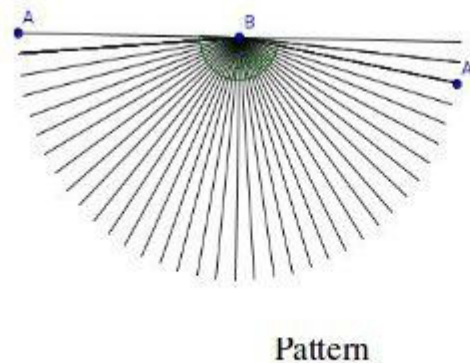
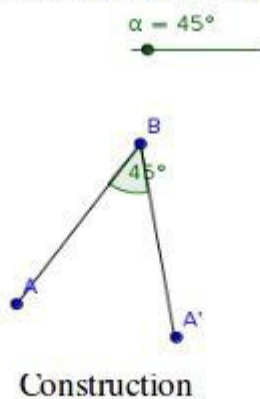
Construction



Pattern

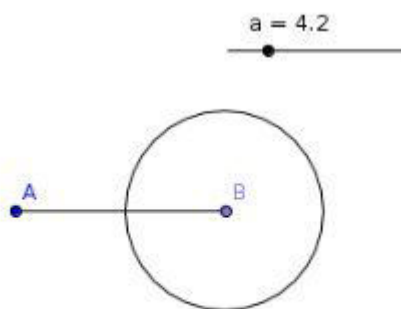
Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- Create a slider with values ranging from 0 to 180 .
- Construct an angle which can be controlled by the slider.
- Apply the option Trace on to the side of the angle (BA) which moves when we move the slider.
- Apply animation to the slider and create the pattern.

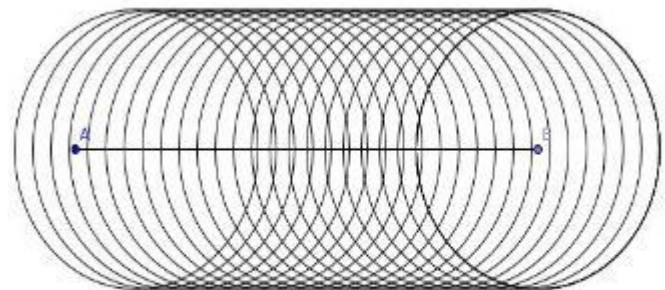


Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- Create a slider with values ranging from 1 to 15.
- Construct a line (AB) which can be controlled by the slider.
- Construct a circle with radius 2 and centre B
- Apply the option Trace on to the circle
- Apply animation to the slider and create the pattern.



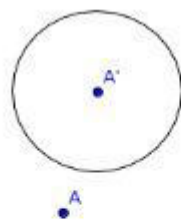
Construction



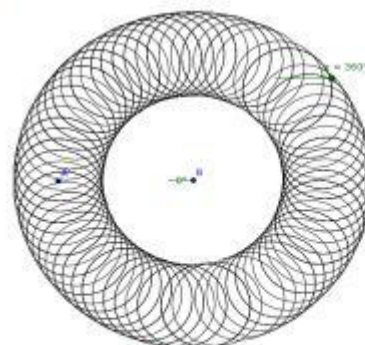
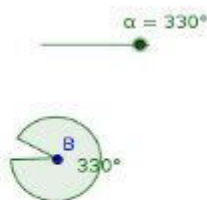
Pattern

Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- Create a slider with values ranging from 0 to 360 .
- Construct an angle (ABA') which can be controlled by the slider.
- Construct a circle with radius 2 and centre A
- Apply the option Trace on to the circle
- Apply animation to the slider and create the pattern.



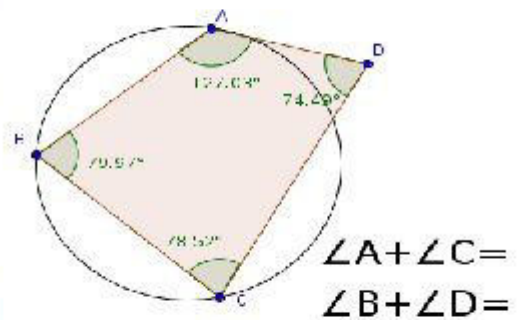
Construction



Pattern

Open the GeoGebra software and do the activities given below. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- Construct a quadrilateral.
- Display the measurement of all the internal angles.
- Construct a circle which passes through any three vertices of the quadrilateral.
- Using the mouse take the other vertex also into the stroke of the circle.
- Include the statements to show the sum of the opposite angles (as given in the picture), if all the four vertices are in the circle .



Draw the given icon in Inkscape. Export it in png format. Save the exported file in the folder Exam10 in Home with your Register number_Question Number as file name. (Hint: Give Radial Gradient to the middle circle.)



Draw the given icon in Inkscape for displaying in the Anti Drug awareness programme. Export it in png format. Save the exported file in the folder Exam10 in Home with your Register number_ Question Number as file name.



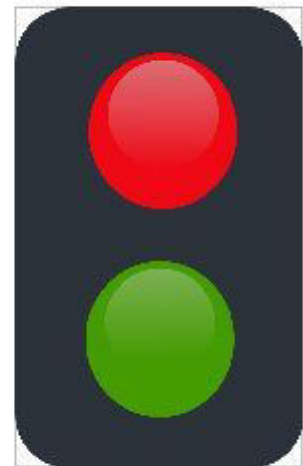
Draw the given banner in Inkscape for displaying it in the awareness programme against Cyber Crimes. Make it attractive. Save the file in the folder Exam10 in Home with your Register number_ Question Number as file name.

(Hint: Give the font style Nafees to the words 'CYBER AWARENESS PROGRAMME')



Draw the given icon in Inkscape for displaying in the traffic awareness programme. Export it in png format. Save the exported file in the folder Exam10 in Home with your Register number_Question Number as file name.

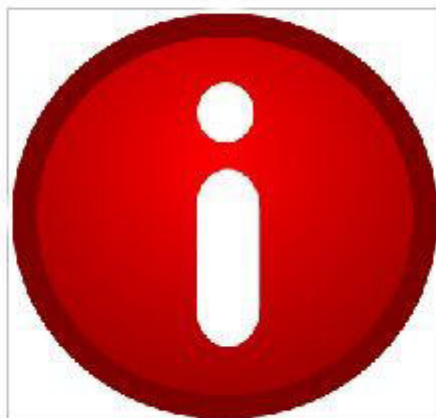
(Hint: Give Linear Gradient to the small circles inside the circles.)



Draw the given icon in Inkscape for displaying in the traffic awareness programme. Save the file in the folder Exam10 in Home with your Register number_Question Number as file name.



Draw the given icon in Inkscape . Export it in png format. Save the exported file in the folder Exam10 in Home with your Register number_Question Number as file name.
(Hint: Give Radial Gradient to the middle circle.)



Prepare an Identity Card for the students who have qualified for the District level Sastrolsavam using Mail Merge tool.

- Open the file named identity.ott from the folder Exam_documents in Home.
- Include the details of students given in the file selected.ods in Exam_documents using Mail Merge tool.
- Prepare the Identity Card for all the students.
- Save it as a single file (Save as single document) in the folder Exam 10 in Home with your Register Number_Question Number as file name .

The file named marklist.ods contains the scores of a class test in various subjects. Prepare Progress Cards using Mail Merge tool.

- Open the file named progresscard.ott from the folder Exam_documents in Home.
- Include the details given in the file marklist.ods in Exam_documents using Mail Merge tool.
- Prepare progress cards for all the students .
- Save it as a single file (Save as single document) in the folder Exam 10 in Home with your Register Number_Question Number as file name .

The file named `dp.ots` in the folder `Exam_documents` in Home contains the scores obtained by the participants of a digital painting competition. Open it and find out Percentage. Mark their grades against their names, using IF Function on the basis of the given criteria. Sort the table in the descending order of the total score. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name .

Greater than or equal to 70%	- A Grade
others	- B Grade

The data collected through a financial survey are given in the file income.ots in the folder Exam_documents in Home. Open the file and find out the annual income. Classify them using LOOKUP Function on the basis of the given Criteria. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- annual income upto 1999 - Category I
- annual income 2000 to 3999 - Category II
- annual income 4000 to 5999 - Category III
- annual income above 6000 - Category IV

The scores obtained by students in the Science Aptitude Test are given in the file score.ots in the folder Exam_documents in Home. Open the file and find out the percentage of the scores. Find out the Grades using LOOKUP Function on the basis of the given Criteria. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name .

- 40% to 49% - D Grade
- 50% to 59% - C Grade
- 60% to 69% - B Grade
- Above 70% - A Grade

The scores obtained by students in a Science Aptitude Test are given in the file score.ots in the folder Exam_documents in Home. Open the file and find out the percentage of the scores. Mark, against their names, whether they have qualified for District level Exam (Selected / Not selected) using IF Function on the basis of the given criteria. Prepare the list of selected students using FILTER tool. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

- Up to 49% - NOT SELECTED
- 50% and above - SELECTED

The Details of Blood group of a few students are given below. Prepare a Data Base file to store this data in open Office / Libre Office Database and Save the file in the folder Exam 10 in Home with your Register Number_ Question Number as file name. Create a Table with Ad_no as primary key and prepare a Form to enter the data.

Ad_No	Name	Age	Blood Group
4875	Ajitth Kumar P	15	AB+
4965	Nisar K	15	B+
5054	Rajesh K P	14	A-
5141	Mary C K	14	O+

A page on the Stock Register of the computer lab is given below. Prepare a Data Base file to store this data in Open Office / Libre Office Database. save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name . Create a Table with Item Code as primary key, and prepare a Form to enter the data.

Item Code	Name of the Equipment	Date of Procurement	Price in Rs	Remarks
101	Laptop	12.05.2014	25000	
102	Mouse	18.06.2014	350	
103	Printer	20.08.2014	5500	

You are asked to prepare an Invitation letter for the general body of the PTA. Prepare the letter using Mail Merge tool.

- Open the file named notice.ott from the folder Exam_documents in Home.
- Include the details of the members given in the file members.ods in Exam_documents using Mail Merge tool.
- Prepare the invitation letter for all the members.
- Save it as a single file (Save as single document) in the folder Exam 10 in Home with your Register Number_Question Number as file name .

You are asked to prepare a certificates for the School Level IT Fair. Prepare the certificates for the winners using Mail Merge tool.

- Open the file named certificate.ott from the folder Exam_documents in Home.
- Include the details given in the file results.ods in Exam_documents using Mail Merge tool.
- Prepare the certificates for all the students in the file .
- Save it as a single file (Save as single document) in the folder Exam 10 in Home with your Register Number_Question Number as file name .

The file named marklist.ods contains the scores of a class test in various subjects. Prepare Progress Cards using Mail Merge tool.

- Open the file named progresscard.ott from the folder Exam_documents in Home.
- Include the details given in the file marklist.ods in Exam_documents using Mail Merge tool.
- Prepare progress cards for all the students .
- Save it as a single file (Save as single document) in the folder Exam 10 in Home with your Register Number_Question Number as file name .

The file named scoresheet.ots in the folder Exam_documents in Home contains the scores of a class test in various subjects. Open it and find out the Total score and Percentage. Mark against their names, whether they are eligible for scholarship using IF Function on the basis of the given Criteria. Save the file in the folder Exam 10 in Home with your Register Number_Question Number as file name.

Above 50% - Eligible For Scholarship

Others - Not Eligible For Scholarship

The python programme for printing the even numbers below twenty is given below. Type the programme and save it with your register number_question number as its file name and run the programme.

```
a=2
while(a<21):
    print a
    a=a+2
```

Change the programme to make it a programme for displaying odd numbers below thirty.

There are some errors in the python programme for printing the multiples of two upto the number twenty. The programme is given below. Type the programme and save it with your register number_question number as its file name and run the programme.

```
a=1
while(a<30):
    print a
    a=a+1
```

Correct the programme for the desired output. Save the programme and run it.

The python function written by Kumar for getting the sum of two numbers is given below. Type the function and save it with your register number_question number as its file name and run the programme.

```
def fun(a,b):  
    c=a+b  
    return c  
  
print fun(5,4)
```

Change the programme to make it a function for getting the sum of three numbers.

The python function for getting the sum of two numbers is given below. Type the function and save it with your register number_question number as its file name and run the programme.

```
def fun(a,b):  
    c=a+b  
    return c  
print fun(4,5)
```

Change the programme to make it a function for getting the square of a number.

If you run the given programme you will get 'S' in the first line and 'AT' in the second line as its output. **Type the programme and save it with your register number_question number as its file name and run the programme.** Make changes in the programme to get the words ' SEAT' in the first line and 'EAT' in the second line as its output and run the programme.

```
a="BACKSEAT"  
print a[4]  
print a[6:]
```

There are some errors in the python function for getting the product of three numbers. The programme is given below. Type the programme and save it with your register number_question number as its file name and run the programme.

```
def fun(a,b):  
    c=a*b*b  
    return b  
  
print fun(4,5)
```

Correct the programme for the desired output. Save the programme and run it.

Raju and his friends have decided to create a web page to publish the activities of Student Police Cadets. Create a web page using KompoZer software for the purpose as shown in the template given below.

- Give the heading “ Student Police Cadet” (Page Heading) to the page.
- Insert the image police_image.jpg from the folder Images10 in Home in the appropriate place.
- Save the web page in the folder Exam10 in Home with your register number_question number as its file name.

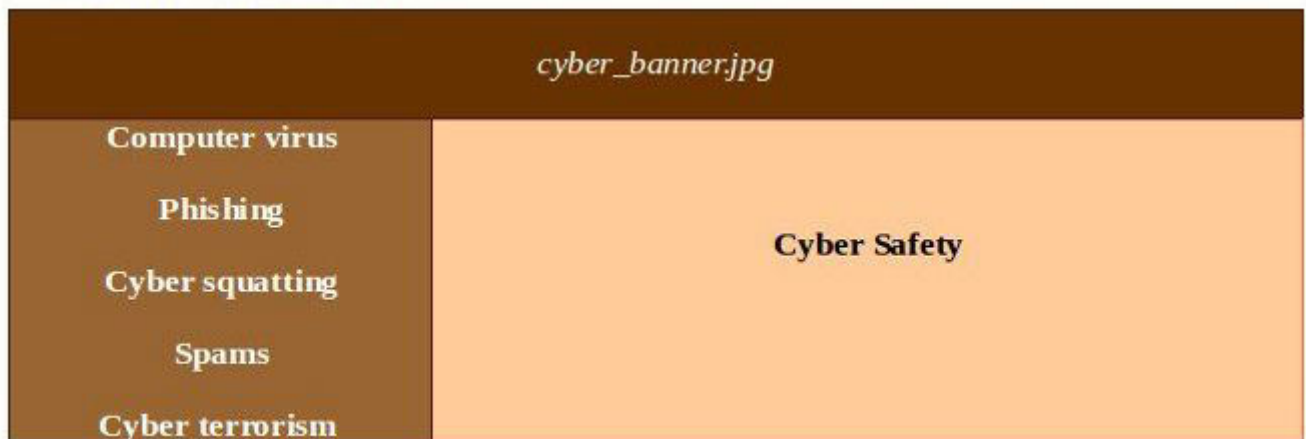
Student Police Cadet	
police_image.jpg	Content

Open the web page bird_flu.html saved in the folder Exam_documents in Home in KompoZer software and make necessary changes in the page as per the instructions given below.

- Give background colour to the page.
- Give background colour to the table.
- Set the first line as the page heading and arrange it at the centre of the page
- Insert the images bird_flue.jpg, bird_flue_map.jpg from the folder Images10 in Home in the appropriate place.
- Save the web page (Save As) in the folder Exam10 in Home with your register number_question number as its file name.

Shyni and her friends have decided to create a web page for the awareness campaign in connection with cyber safety. Create a web page using KompoZer software for the purpose as shown in the template given below.

- Insert the image police_ cyber_banner.jpg from the folder Images10 in Home in the appropriate place.
- Make the text Bold and arrange it at the centre of the page.
- Save the web page in the folder Exam10 in Home with your register number_question number as its file name.



Your school authorities have decided to create a web page in connection with the distribution of Iron and Folic Acid tablets. Create a web page using KompoZer software for the purpose, as shown in the template given below.

- Set the caption “ Weekly Iron Folic Acid Supplementation(WIFS)” as page heading.
- Insert the image wifs_image.jpg from the folder Images10 in Home in the appropriate place.
- Save the web page in the folder Exam10 in Home with your register number_question number as its file name.

Weekly Iron Folic Acid Supplementation (WIFS)	
Guidelines for control of Iron Deficiency Anaemia	wifs_image.jpg

Open the web page itclub.html saved in the folder Exam_documents in Home in KompoZer software and make necessary changes in the page as per the instructions given below.

- Give background colour to the page.
- Set the first line as the heading of the page (Page Heading) arrange it in the middle of the page.
- Link the words “ Cyber Safety” to the web page cybersafety.html saved in the folder Exam_Documents in Home.
- Save the web page (Save As) in the folder Exam10 in Home with your register number_question number as its file name.

Open the web page activities.html saved in the folder Exam_documents in Home in KompoZer software and make necessary changes in the page as per the instructions given below.

- Give background colour to the page.
- Add another column to the table and give the heading "Cadets" to it.
- Make the text Bold and arrange it at the centre of the cell.
- Save the web page (Save As) in the folder Exam10 in Home with your register number_question number as its file name.

The first part of the animation of The ball moving towards the viewers is given in the file named kick.tup in the folder Exam_documents in Home. Open this file through the software Tupi 2D magic and complete the animation by adding at least 6 frames (The ball should move in the same direction). Save the file in avi format in the folder Exam 10 in Home with your Register number_ Question number as file name.

(Hint : Change the size of the ball in each frame)

Open the file named garden.tup from the folder Exam_documents in Home through the software Tupi 2D magic. Insert the picture butterfly.png into it from the folder Images 10 in Home. Complete the animation of 'the butterfly flying down on to the flower' with at least 6 frames. Save the file in avi format in the folder Exam 10 in Home with your Register number_ Question number as file name.

Do you remember the story of the tortoise who traveled through sky biting on the stick carried by two swans? On the way the tortoise opened its mouth and

The first part of the animation of this story is given in the file named `swan_and_turtle.tup` in the folder `Exam_documents` in Home. Open this file through the software `Tupi 2D magic` and complete the animation by moving the Background . Save the file in the folder `Exam 10` in Home with your Register number_ Question number as file name.

(Hint: Move the background picture opposite to the movement of the swan)

Open the file named footballkick.tup from the folder Exam_documents in Home through the software Tupi 2D magic. Insert the picture ball.png into it from the folder Images 10 in Home. Create the animation of the forward moving ball by adding at least 6 frames. Save the file in avi format in the folder Exam 10 in Home with your Register number_ Question number as file name.

(Hint : The ball should start its movement from near to the foot of the player.)

The first part of the animation “ The ball bouncing after hitting the goal post” is given in the file named goal.tup in the folder Exam_documents in Home. Open this file through the software Tupi 2D magic and complete the animation (add at least 7 frames). Save the file in avi format in the folder Exam 10 in Home with your Register number_ Question number as file name.

The first part of the animation of the story ' The Rabbit and the Tortoise ' is given in the file named story.tup in the folder Exam_documents in Home. Open this file through the software Tupi 2D magic and complete the animation by adding at least 6 frames (The part in which the Tortoise over take the Rabbit should be completed). Save the file in avi format in the folder Exam 10 in Home with your Register number_ Question number as file name.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the layers Well, Road and House in the map.
- Display the details regarding the well marked in ward 8 using Identify Features tool.
- Take the screen shot and save it with your register number_question number as its file name in the folder Exam10 in Home.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the layers Village Road and House in the map.
- Display the details regarding the road marked in ward 1 using Identify Features tool.
- Take the screen shot and save it with your register number_question number as its file name in the folder Exam10 in Home.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the layers Village Road and House in the map.
- Display the details regarding the road marked in ward 1 using Identify Features tool.
- Take the screen shot and save it with your register number_question number as its file name in the folder Exam10 in Home.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the layers Well, Road and House in the map.
- Display the details regarding the well marked in ward 2 using Identify Features tool.
- Take the screen shot and save it with your register number_question number as its file name in the folder Exam10 in Home.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the Road layer in the map.
- Identify the houses which may be affected if the State Highway marked in the Road layer is widened 10 meters.
- Arrange the Buffer_Road layer just below the House layer. Display the details of a house in the buffer zone using Identify features tool. Take the screen shot of the window and save it with your register number_question number as its file name in the folder Exam10 in Home.

The model of the resource map prepared by the Grama Panchayath is saved in the folder Exam_Documents in Home with the name panchayath_map.qgs. Open the qgis map and do the activities given below.

- Display the layers House, Road and River in the map.
- Open New Print Composer window and add the map to it.
- Insert Legend in the New Print Composer window.
- Take the screen shot of the New Print Composer window and save it with your register number_question number as its file name in the folder Exam10 in Home.