

Sample Questions - Standard 10

Group : 1

1. The Resource map Ward2.qgs prepared by Appu and friends is available in Home. Open the map in QGIS software and mark a new house in the layer House. Give your name in the field ' Name ' in the Attributes Window of the new house. Display the table containing the details of all the houses included in the map. Take the Screen shot of this and save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name. (To get Screen shot press the PrtSc key)
2. The Resource map Map3.qgs prepared by Seena is available in Home. Open the map in QGIS software and show the ' PWD Road ' layer in the map. Mark another road approaching the lake in the layer. Display the attribute table containing the details included in the layer Take the Screen shot of this and save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name. (To get Screen shot press the PrtSc key.)
3. The Resource map Alapuzha.qgs prepared by Akshaya and friends in connection with the activities of the Social Science Club is available in Home. Make a suitable layer for marking wells in the map with the name ' Well '. Give ' Name ' and ' Width ' attributes to the layer. Place the layer just above the ' Road ' layer. Save the file using ' save project as option ' with your Register Number_Question Number as its file name.

4.The Resource map Kappad.qgs prepared by Arun and friends is available in Home. Open the map in QGIS software and add the map to the ' New Print Composer '. Insert legend and a suitable label to the map. Export the map to .png format with your Register Number_Question Number as its file name.

5. The Resource map Wayanad.qgs prepared by Athira and friends is available in Home. Open the map in QGIS software and make a buffer zone in five meter width from the main road with the name Buffer_area. Place the layer just below the NH Road layer and zoom it. Take the Screen shot of this and save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name. (To get Screen shot press the PrtSc key.)

6.

One of the network devices connected to a computer in the school lab is presently not working. Aswin is trying collect the data regarding the device without opening the system unit. Display the details in the computer using a suitable software for Aswin. Take the Screen shot of this and save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name. (To get Screen shot press the PrtSc key.)

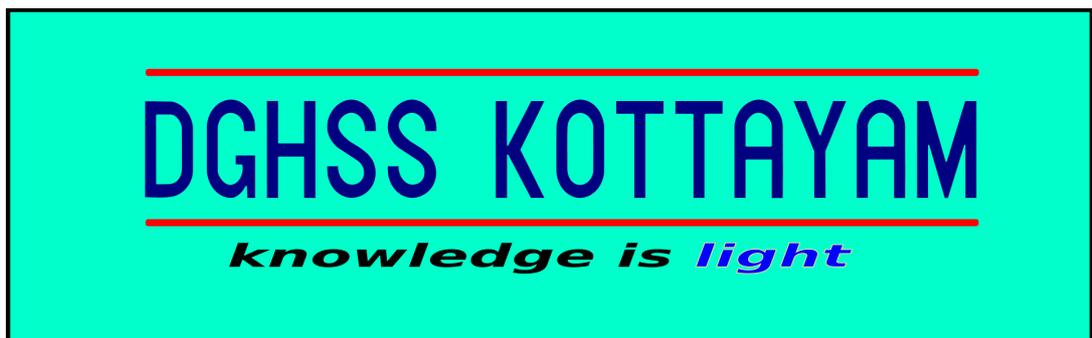
Group : 2

1. Prepare a poster for the awareness programme against Cyber crimes as shown in the image given in InkScape . Export it to png format. Save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name.

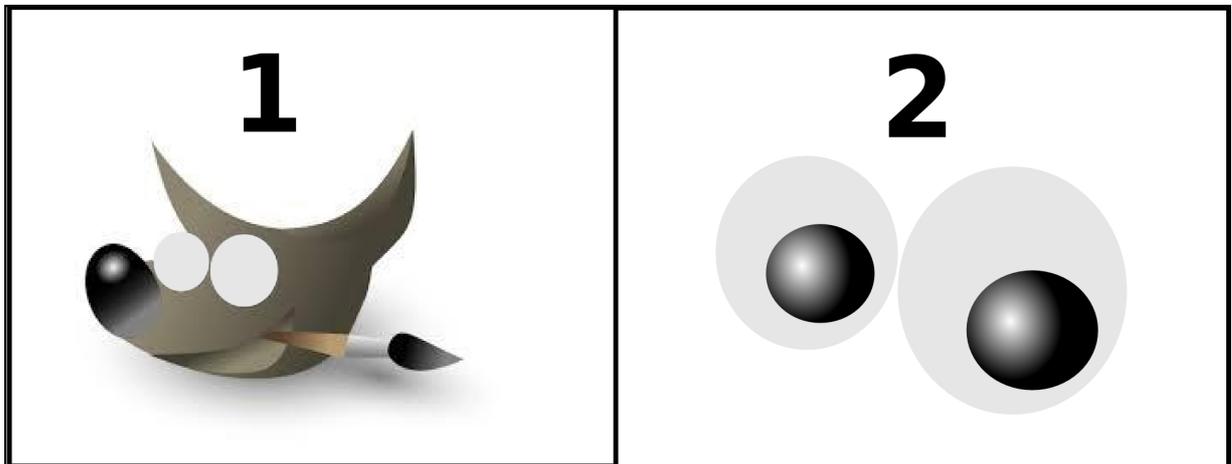


2. Prepare a banner for the web site of DGHSS Kottayam as shown in the image given in InkScape . Save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name.

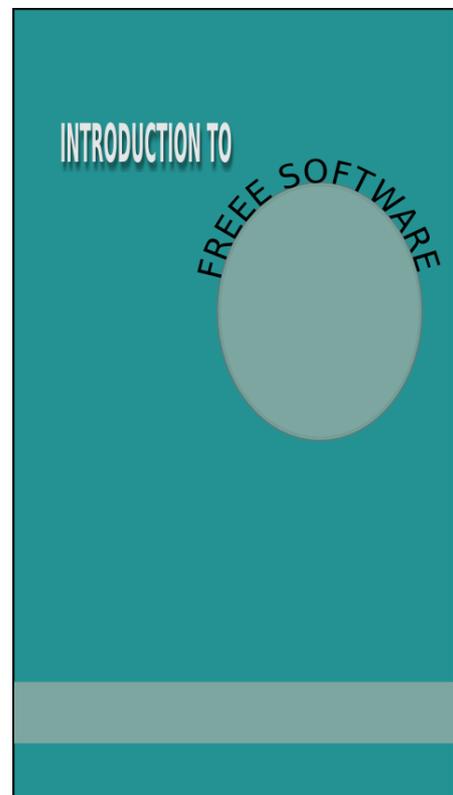
(font style --Nafees , put the phrase 'knowledge is light' in italic)



3. Shadiya is preparing a logo in Gimp software for a poster in connection with the independence day celebrations (picture 1). Certain portion of the logo is to be prepared in Inkscape as shown in the picture 2. Prepare the same in Inkscape. Save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name.



4. Design a cover page for the digital magazine prepared in connection with the Free Software Day celebrations as shown in the image given. Export it to png format. Save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name.



5.

Draw the picture of an Amoeba in InkScape . Give the title amoeba below the picture. Save it in the folder Exam10 in Home Folder with your Register Number_Question Number as its file name. (Type 'അമീബ' in malayalam using Rachana font)

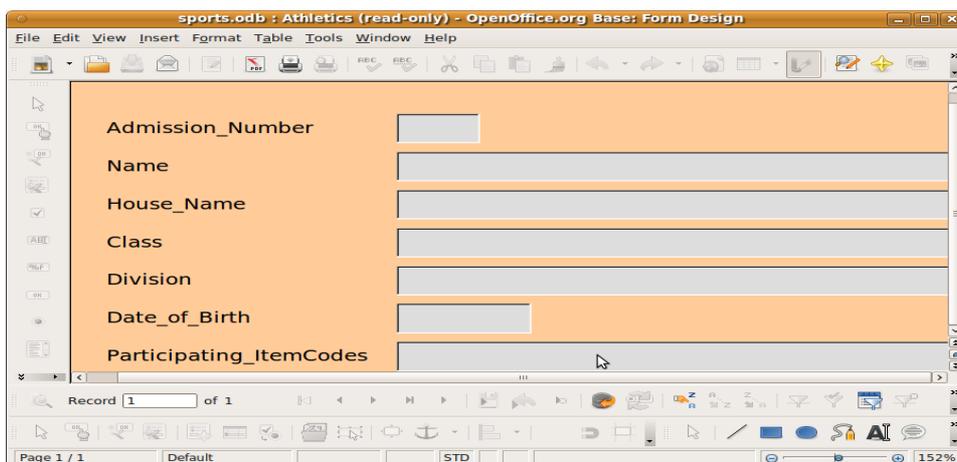
Group : 3

1. It is decided to issue badge to the volunteers of School Youth Festival using mail merge tool in Open Office Writer. The details of volunteers are available in the file mela.odt saved in the folder Exam_documents in Home. Work out the activities given below using the details in the file.

a) Open OpenOffice Writer and insert the details in the database in the document using the mail merge tool (Insert Address Block).

b) Prepare a badge slip with Admission No, Name, House Name, Class, Division of the candidates in the database using mail merge tool. Save the merged file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

2. It is decided to collect the details of the participants of the school youth festival in a database. Prepare a form as shown in the image given in OpenOffice Database for the purpose. Save the database file containing the form in the folder Exam10 in Home with your Register Number_Question Number as its file name.



3. A table containing the literacy ratio of all the districts is available in the file literacy.ots saved in the folder Exam-documents in Home. Open the file and work out the activities given.

a) Prepare a Lookup chart with details given below.

Females	Category
Below 70	Grade C
70 to 90	Grade B
Above 90	Grade A

b) Insert a new column with heading ' category ' and mark the category of each district in the respective cells using ' Lookup ' function. Save the file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

4. A table containing the literacy ratio of all the districts is available in the file literacy.ots saved in the folder Exam-documents in Home. Open the file and make changes in the file as directed and save the file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

a) Insert a new column with the heading ' Status '.

b) Mark ' Below State Percentage ' if the number in the column ' Persons ' is below 93.91 and ' Above/Equal to State Percentage ' if it is not, using ' IF Function.

5. A table containing the names of the members in the school Kabady team is available in the file kabadi.ots saved in the folder Exam-documents in Home. From the list the candidates with age 13 and above are selected to appear for the District Selection Camp. Open the file , insert a new column and mark ' Selected ' against the name of the candidate having the prescribed age and ' Not Applicable ' against the name of other candidates using ' IF ' function. Save the file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

Group : 4

1. NiKhil got a python programme for finding out the product of two numbers which is given below. But there were some mistakes in it. Run the programme and find the errors. Correct the programme and save the file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

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

2. Given below is python programme and its output (output 1) prepared by Neethu

programme	output 1	output 2
<pre>a="alan" for i in range(1,5): print a[:i]</pre>	<pre>a al ala alan</pre>	<pre>alan ala al a</pre>

Run the programme and then make changes in the programme to get the second output (output2). Save the changed file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

3. Given below is a python programme to draw a triangle using for command.

```
from turtle import*  
for i in range(3):  
    fd(100)  
    rt(120)
```

Run the programme and change the programme using ' while ' command. Save the changed file in the folder Exam10 in Home with your Register Number_Question Number as its file name.

4. Given below is python programme and its output (output 1) prepared by Vanila

programme	output 1	output 2
<pre>a="1" c="0" for i in range(1,5): print i*a,(5-i)*c for i in range(1,5): print i*c,(5-i)*a</pre>	<pre>1 0000 11 000 111 00 1111 0 0 1111 00 111 000 11 0000 1</pre>	<pre>0 1111 00 111 000 11 0000 1 1 0000 11 000 111 00 1111 0</pre>

Run the programme and then make changes in the programme to get the second output (output2) without changing the values of the variables 'a ' and ' c '. Save the changed file in the folder Exam10 in Home with your Register Number_ Question Number as its file name.

5. Given below is python programme and its output (output 1)

programme	output 1	output 2
<pre>s="I Love India" print s[:4] print s[4:7] print s[7:]</pre>	<pre>I Lo ve India</pre>	<pre>I Love India</pre>

Run the programme and then make changes in the programme to get the second output (output2) . Save the changed file in the folder Exam10 in Home with your Register Number_ Question Number as its file name.