**SUMMER VACATION
HOLIDAYS HOMEWORK
CLASS VII**

ENGLISH

1. **ART 'N' ENGLISH:**

(To be done on a plain A4 size sheet)

Create a comic strip based on the prose 'Monkey Trouble', keeping in mind the following details:-

- The story should be completed within 9 boxes.
- Although the story remains the same, the dialogues should be self-composed.
- Showcase only the important incidents of the story.
- Make it as colourful and attractive as you can.
- A sample of a comic strip is given below for your guidance.

2. **ISA PROJECT and ASL:**

(To be done on a plain A4 size sheet)

Read Unit 3 'Attitude' from the textbook, My English Reader. Taking ideas from the unit, draft a speech on the topic, 'Attitude of a true sportsman.' Practise delivering your self-composed speech with proper voice modulation, pronunciation, confidence and expression. It will be assessed as a part of speaking skills (ASL).

3. **GRAMMAR:**

(To be done in English Practice Book)

Unit 5: Transitive and Intransitive Verbs (English Practice Book)

- Worksheet 1 – page no. 57
- Worksheet 2 – page no. 58
- Worksheet 3 – page no. 59
- Worksheet 7 – page no. 63
- Do it yourself – page no. 69

4. **READING FOR UNDERSTANDING:**

(To be done in English Practice Book)

- Exercise 12.1 – page no. 147

SOCIAL SCIENCE

Q1. What is the role of weathering and erosion in creating different landforms on the earth? Select any three landforms formed by different agents of gradation and collect information about their formation. Use pictures and diagrams to explain it. (geography notebook)

Q2. Research on the party system prevalent all across the world. What kind of party system does India have? Which party system according to you is best suited for our country? (civics notebook)

Q3. Prepare a PowerPoint presentation on "The evolution of Delhi". It should focus on the development that took place in Delhi in terms of architecture from ancient times to the present day New Delhi. (min 10 slides)

MORAL EDUCATION

1. शिक्षा क्यों आवश्यक है, अपने विचार लिखिए ।
2. आर्य - समाज की स्थापना के बारे में एक लेख लिखिए ।
3. गुरूकुल शिक्षा प्रणाली में और वर्तमान शिक्षा प्रणाली में क्या अंतर है ?
4. स्वामी दयानंद जी ने नारी उत्थान के लिए क्या कार्य किए ।

(नोट - सभी कार्य नैतिक - शिक्षा की कक्षा कार्य पुस्तिका में कीजिए)

SANSKRIT

1) स्वेच्छा से एक संस्कृत गीत सस्वर स्मरण कीजिए । यह गीत कक्षा में सुना जाएगा ।
2) बुद्धि ही उत्तम है - इस विषय पर एक कथा संस्कृत में लिखिए ।
3) जीवन मे अभ्यास का क्या महत्व है इस विषय पर संस्कृत में संवाद लिखिए ।
4) व्यवहार मे आने वाले 50 शब्दो का शब्दकोश संस्कृत में बनाए ।

(नोट सभी लिखित कार्य संस्कृत की कक्षा कार्य पुस्तिका में करना है)

HINDI

- **पत्र लेखन:** अपने जन्म दिवस के सुखद पलों (उस दिन सुबह से शाम तक जो भी आपने किया, जन्मदिवस पर की गई तैयारियाँ एवं सुखद क्षण) के विषय में बताते हुए मित्र/सखी को पत्र लिखिए।
- **सर्जना के क्षण**: निम्नलिखित विषय पर 120 से 150 शब्दों में अनुच्छेद लिखिए - यदि मैं पक्षी होता है
- **मेरी कल्पना**: निम्नलिखित अंश को कहानी के रूप में 100 से 120 शब्दों में लिखिए एवं इसे उचित शीर्षक भी दीजिए।
  " रात का लगभग 12:00 बजे का समय था। मैं सो नहीं पा रहा/रही था/थी। अचानक एक आवाज़ सुनाई दी, मैंने उठकर देखा तो ...."
- **मेरा शब्द -भंडार**: निम्नलिखित शब्दों के तीन-तीन पर्यायवाची शब्द लिखिए:-
  1.नदी   2.मयंक   3.घर   4.पाठशाला   5.राक्षस   6. कमल   7.धरा   8.सूरज
  9.रास्ता   10.सर्प   11.आवाज़   12.भेंट   13.कपड़ा   14.नयन   15.बिजली
- **मेरा साहित्य**: कविता - स्वदेश के प्रति (सुभद्राकुमारी चैहान), कविता - एक तिनका (अयोध्या सिंह उपाध्याय 'हरिऔध') पढ़कर, इनका मूल संदेश समझिए। कक्षा में चर्चा की जाएगी।
- ईकाई परीक्षा - 1 का पाठ्यक्रम पढ़िए एवं समझिए।
  (पहले चार प्रश्न अपनी हिंदी पुस्तक में ही कीजिए।)

Watching Animations is fun but creating animations is still more interesting.

  a. Create a poster in Scratch on "Internet Safety". You can have some ideas from the posters given in this link
  "https://www.teachingideas.co.uk/sites/default/files/internetsafetyposters.pdf

  b. Paint two costumes of peacock as given on page 25 of "Hands On" and create an animation to make them dance.

     Email the poster and animation (.sb files) on davprojects@gmail.com. Mention your name and class.

(To install scratch in your laptop/desktop click on this link
https://drive.google.com/drive/folders/1LE4zhjwGjHUja_xsgJiR6AorCU2Uaxv6?usp=sharing and download the setup and install the software.)

MATHS

1) Write tables from 11 to 20 in Practice notebook .

2) Perform the following activities on A4 size pastel sheet.

Activity 1 –Mirror distance

Make a number line as shown. Paste the following given shapes at the given points as shown.
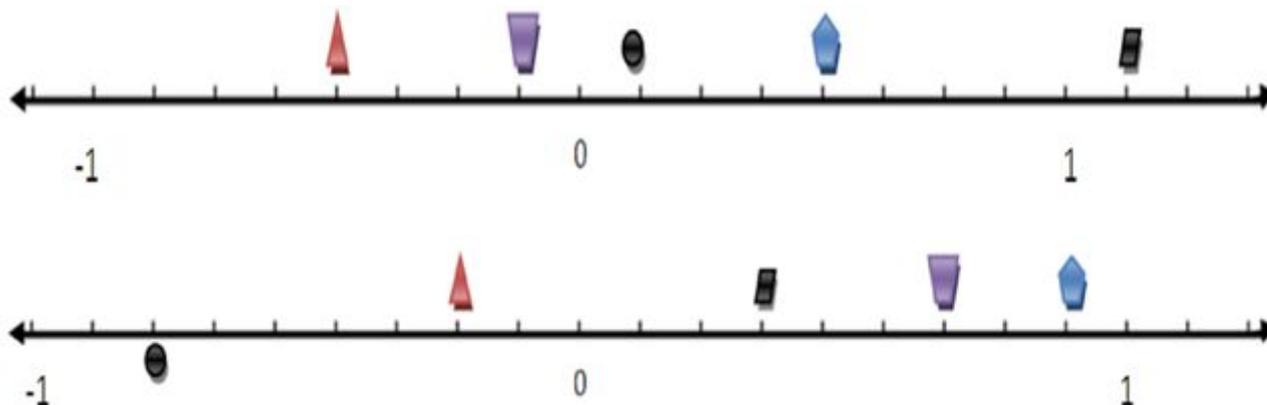
- Name the rational number for the given shapes.

- Name the rational number for the image of the given shapes if a mirror is placed at 0.

- Make the rational numbers corresponding to the same shapes in the two number lines having same

   denominators.

Activity 2 - Complete the circle

Use the cut outs having the question and answer texts running parallel with the top and bottom edges of the

segments. Place the answer text next to the question text to

make a complete circle and colour it.
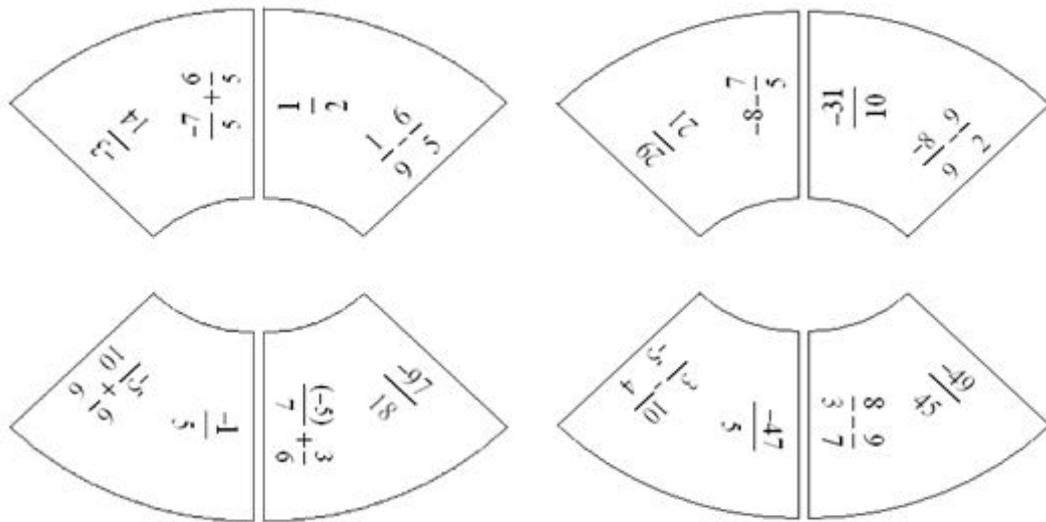
Activity 3 - Catch the butterfly

Solve correctly and catch the butterfly in the net by colouring them in same the shade.

(-5/7)X(2/15)

3/2

(3/2)X(5/9)

(-1/2)X(-4/11)

2/11

(5/12)X(-6)

-2/21

(-6/19)X(38/-8)

-5/2

5/6
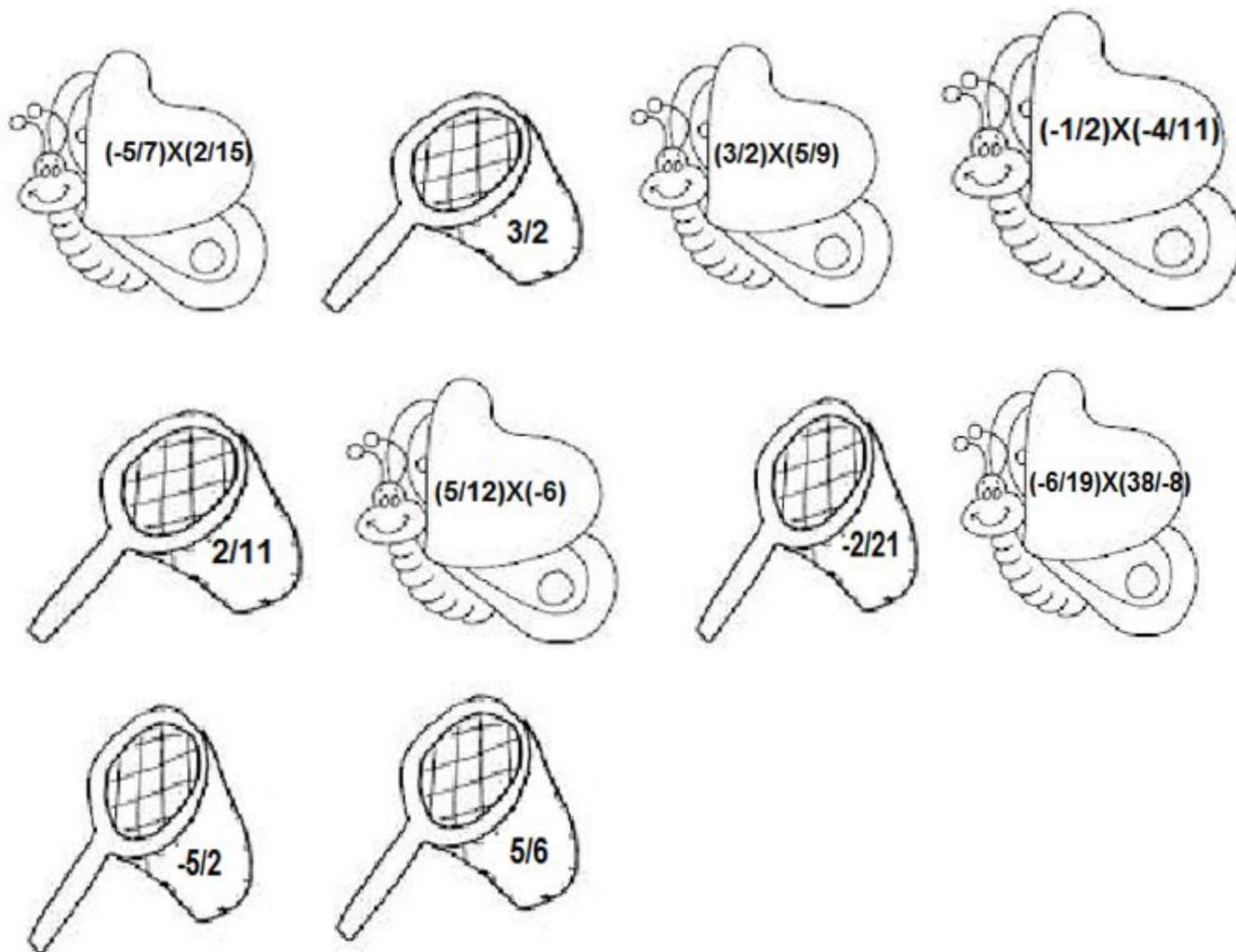
Activity 4: Making a shopping bill

Help your mother to make the bill.

GENERAL Department Stores (grocery section)

Item	Quantity	Amount
Rice	1 Kg	Rs 35.00
Rice basmati	1 Kg	Rs 42.00
Dal	1 Kg	Rs 78.00
Tamarind	1 Kg	Rs 47.00
Chillies	100g	Rs 11.00
Sunflower oil	1 Kg	Rs 86.00
Coffee	1 Kg	Rs 220.00
Tea	1 Kg	Rs 180.00
Juice	Per bottle	Rs 45.00
Eggs	Per dozen	Rs 60.00
jam	250 gm	Rs 34.00

Here is the mother's grocery list (copy and complete the table)

S.no	Item	Quantity	cost
1.	Rice	50 kg	
2.	Sunflower oil	5 kg	
3.	Juice	2 bottles	
4.	Rice (basmati)	10 kg	
5.	Coffee	500 gm	
6.	Jam	½ kg	
7.	Dal	5 kg	
8.	Eggs	½ dozen	
		Total cost	

Activity 5: Compose or collect a poem on beauty of Maths.

PRACTICE SUMS

1. Find the product of the cube of $\left(\frac{-2}{3}\right)$ and the square of $\left(\frac{-4}{5}\right)$

2. Find the reciprocal of: $\left(\frac{-2}{3}\right) \times \left(\frac{4}{7}\right) - \left(\frac{3}{5}\right) \div \left(\frac{6}{7}\right) \times \left(\frac{2}{5}\right)$

3. Simplify: $(75.05 \div 0.05) \times 0.015 + 6.023$

4. Find the value of: $\frac{3}{5} + \frac{5}{4} + \frac{-7}{15} + \frac{-3}{8}$

5. Write the following rational numbers in descending order

6. $\frac{5}{8}, \frac{3}{4}, \frac{2}{3}, \frac{1}{5}$

7. Convert $\frac{4}{25}$ in decimal form

8. Which of the 2 rational numbers $\frac{-4}{9}$ and $\frac{5}{-12}$ is greater?

9. Subtract $\frac{-3}{5}$ from $\frac{9}{10}$

10. The sum of two rational numbers is -3. If one of them is $\frac{-2}{7}$, find the other number.

11. Simplify: $215.3 - 14.003 + 0.002 - 0.005$

Practise sums from Chapters 1, 2 and 3 for UT1 in Practice notebook.

SCIENCE

1. Collect information about the top five Air purifier plants. Grow them in your garden or balcony. Take their pictures while planting them along with your parents. You need to take care of those plants and observe their growth. Take their pictures every week and study the rate of their growth. Then using all those pictures, design your own magazine containing all information about your five air purifying plants.
   - Your magazine should have-
   - An impressive title
   - An attractive cover page (design your cover page using one art form of any one state)
   - Index page with page no.
   - Contents with all photographs of your plants

   (Describe your experiences and feelings you had while looking after your plants in one paragraph at the end.)

2. Design one pot for growing plants using any one art form- Madhubani painting /Warli painting by using acrylic colours. Some links are given below for your help.

   https://in.pinterest.com/pin/508132770436283002/?lp=true
   https://www.youtube.com/watch?v=0mEPaL0LGqo
   https://www.youtube.com/watch?v=kacRRidmN6s

3. Complete the assignments given below:

Chapter-1 Nutrition in Living Organisms-Plants

 # Study the given link below and answer the following questions: (Extra reading)

http://www.biologydiscussion.com/plants/autotrophic-and-heterotrophic-plants-with-diagram/47139

   1. What are holoparasites? Name the structure by which these parasites draw nutrition from the host.
   2. What are partial parasites? Give two examples.
   3. What is chemotrophic nutrition? Name two chemotrophic organisms.
   4. Chemotrophic plants are -autotrophic or heterotrophic . Give reason in support of your answer.

Chapter-3 Chemical Substances and Processes

Q1. Write the Chemical formulae of the following compounds:

   Copper oxide , Zinc hydroxide, Potassium carbonate, Calcium chloride, Magnesium nitrate, Sodium sulphate, Ammonium hydroxide, Iron sulphate
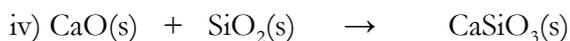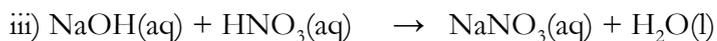
Q2. Complete the following table:

Name	Elements present	Formula
Aluminium chloride	Aluminium & Chlorine	$AlCl_3$
Potassium oxide		
		$MgCO_3$
Zinc sulphate		
		CaO
	Sodium & Nitrogen & Oxygen	

Q3. Balance the following chemical equations:

1) $Mg + O_2 \rightarrow MgO$

2) $N_2 + O_2 \rightarrow NO$

3) $CH_4 + O_2 \rightarrow CO_2 + H_2O$
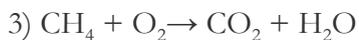
Q4. Identify the type of reaction shown and write the reactants and products in each case:

i) $Zn(s) + CuSO_4(aq) \rightarrow ZnSO_4(aq) + Cu(s)$

ii) $2NaNO_3(s) \rightarrow 2NaNO_2(s) + O_2(g)$

iii) $NaOH(aq) + HNO_3(aq) \rightarrow NaNO_3(aq) + H_2O(l)$

iv) $CaO(s) + SiO_2(s) \rightarrow CaSiO_3(s)$
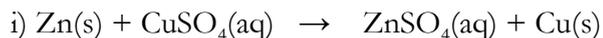
Q5. Write chemical formulas for the compounds in each box. The names are found by finding the intersection between the cations and anions. One is done for you.

	Zinc	Iron	Sodium	Aluminium	Calcium	Copper(II)
Chloride	$ZnCl_2$					
Carbonate						
Nitrate						
Oxide						
Hydroxide						
Sulphate						

Q6. Write the chemical formula for the following:

Magnesium chloride	
Calcium acetate	
Ammonium nitrate	
Potassium sulphate	
Sodium acetate	
Ammonium phosphate	

Q7. Classify the following reactions into different types, stating the reason.

Chemical Equation	Type of Chemical Equation	Reason
$CaCO_3 \rightarrow CaO + CO_2$		
$KOH + HCl \rightarrow KCl + H_2O$		
$CO_2 + H_2O \rightarrow H_2CO_3$		

$Fe + CuSO_4 \rightarrow Cu + FeSO_4$		
$NaOH + HNO_3 \rightarrow NaNO_3 + H_2O$		

Q8. Balance the following reactions:

      a) $CaCO_3 + HCl \rightarrow CaCl_2 + H_2O + CO_2$

      b) $H_2O \rightarrow H_2 + O_2$

      c) $N_2 + H_2 \rightarrow NH_3$

      d) $NaOH + H_2SO_4 \rightarrow Na_2SO_4 + H_2O$

      e) $Zn(OH)_2 + HNO_3 \rightarrow Zn(NO_3)_2 + H_2O$

Chapter-6   Motion and Time

1. A simple pendulum takes 15 seconds to complete 5 oscillations. What is the time period of the pendulum ?
2. If a car is moving with a speed of 5 km/h on a highway. Find the distance travelled by the car in 3 hours?
3. The distance between two stations is 240 km. A train takes 6 hours to cover this distance. Calculate the speed of the train.
4. Sunil covers a distance of 2.4 km from his house to reach his school on a bicycle. If the bicycle has a speed of 2 m/sec, calculate the time taken by him to reach the school .
5. A car is moving with speed 72 km/hr. Convert this speed into metre/sec.
6. A simple pendulum takes 30 seconds to complete 6 oscillations. What is the time period of the pendulum?
7. A train travels 2 km in the first 10 minutes, 10 km in the next 10 minutes, 30 km in the next 10 minutes and 60 km in the next 10 minutes. What type of motion is exhibited by this train? Calculate its average speed in m/s.
8. Rohan covers 100 km in two and half hours and Priya covers the same distance in 150 minutes. Who travels faster?
9. Plot the distance –time graph for the motion described by Table A and Table B

PROJECT WORK

ROLL NOS	ENGLISH	HINDI	SCIENCE	SOCIAL SCIENCE	MATHS
VII A	1-8	9-16	17-24	25-32	33-38
VII B	1-10	11-20	21-30	31-40	41-48
VII C	1-10	11-20	21-30	31-40	41-47
VII D	1-9	10-18	19-27	28-36	37-45

MATHS PROJECT WORK

A group comprising 26 Indian citizens, 24 visitors from SAARC countries, 19 other foreign visitors and 10 students below 15 years of age, visit Humayun's Tomb on 25th April 2019. The entrance fees for visiting the monument is as follows:

Rs. 10 per head for Indian citizens and visitors from SAARC countries.

US $5 per head for other foreign visitors

No charges for children upto 15 years.

During the visit, following behaviour was noticed among the students below 15 years of age:

    i) Rahul scribbles on the walls of the tomb.

    ii) Wasim helps a foreign visitor.

    iii) Sonu picks up the garbage and throws in the dustbin.

    iv) John throws the wrappers and bottles in the garden.

    v) Neha spits in the premises.

    vi) Rajni shouts inside the monument.

    vii) Ricky and Micky help in watering the plants inside the premises.

Now answer the following questions:

    Q1. Find the exchange rate of US $1 in Indian Rupees as on 25th April 2019.

    Q2. Calculate the total money that the group has to pay as entrance fees.

        (For foreign visitors calculate the fees in Indian Rupees after conversion)

Q3.What fraction of the total money is paid by

    1) the Indian citizens

    2) the visitors from SAARC countries

    3) other foreign visitors

Q4. Students below the age of 15 years were given instructions that (+5) points will be awarded to a student if his action is for the betterment of the monument and (-2) points will be given if the action is such that it harms the beauty of the monument. Calculate the positive, negative and total points scored by the group of students.

HINDI PROJECT WORK

लुप्त होते ग्रामीण जीवन एवं शहरी जीवन का तुलनात्मक एवं चित्रात्मक वर्णन करते हुए पत्रिका तैयार कीजिए। इस पत्रिका को आकर्षक नाम भी दीजिए।

पत्रिका के महत्त्वपूर्ण बिंदु:- दिनचर्या, रहन-सहन, खान-पान, उद्योग, प्राकृतिक वर्णन, पहनावा

ENGLISH PROJECT WORK

As you have already read the unit **'People at work'** from My English Reader, let us explore more about different professions.

- Enact (dramatise) a short scene and shoot a video of it. (like a short movie).

- The short scene should showcase any one profession (job) and the problems/ benefits one has to face while doing that job.

- **For example** – Doctor (profession) is respected by all but has to go through a lot of stress to deal with people's expectations and has to perform critical surgeries.

- The content/ dialogues of the video clip should be self-composed.

- You should enact the main role.

- Your friends/ family members can also be a part of the enactment.

- The duration of your video should not exceed 05 minutes.

- Email your video clip to the following email id - nikita.dav.eng@gmail.com (VII C,D) / rachnamam@gmail.com (VII A,B)

SCIENCE PROJECT WORK

Visit a botanical garden/a Park in Delhi or outside and collect information about five different trees which are planted on roadside and on highways. Click their real pictures. Compile all information along with their real pictures in the given pattern in your scrap file.

- Name of the tree-
- Scientific name-
- Habitat-
- Characteristics-
- Special features due to which they are planted on roadside/highways

SOCIAL SCIENCE PROJECT WORK

Prepare a 3 Dimensional model of any one monument of Delhi. The following instructions need to be kept in mind while making the model

- Height should not be less than 15 inches.
- Width should be more than 20 inches.

Along with the model also prepare a report on the monument being made stating -

- Year of construction
- Name of the person credited with the construction of the monument
- Style of architecture
- Important features of the monument

ATL PROJECT

(Group 1) Make a chart on " Comparative study of use of energy resources in India and other countries eg Latin America, Argentina and Asian countries".

(Group 2) Global warming is a major issue across the globe. Prepare a chart to suggest the ways to reduce the effect and save our environment.