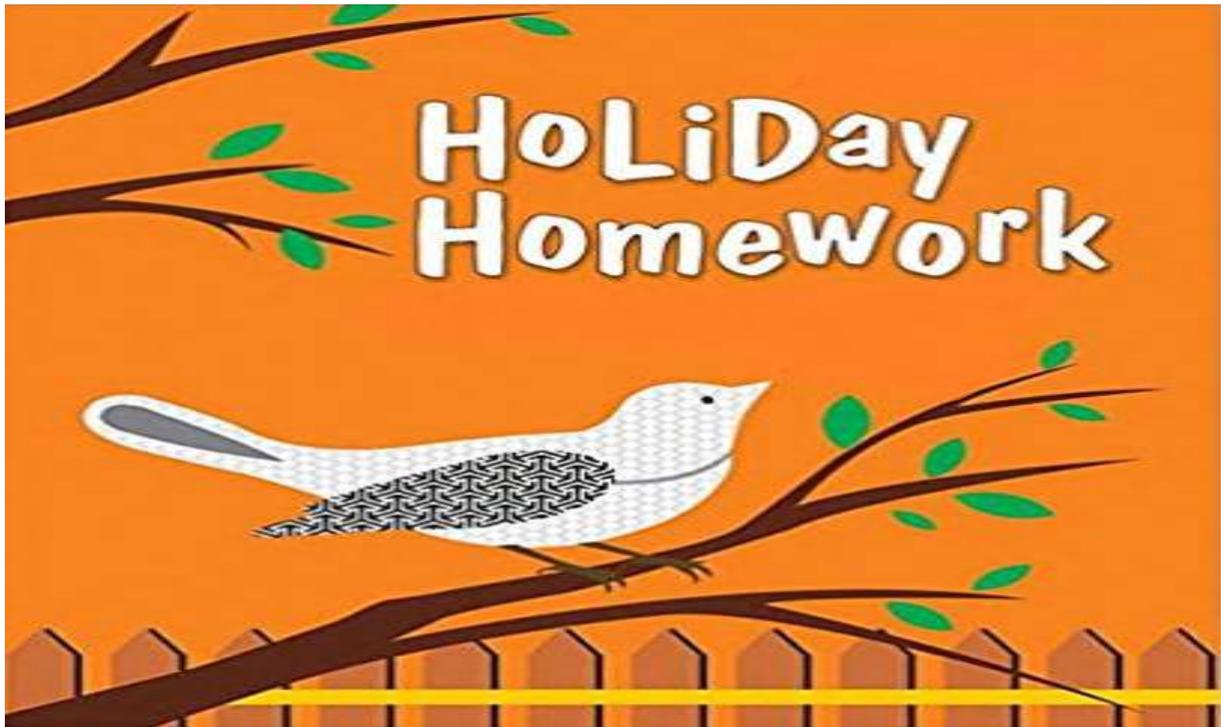




ROYAL OAK INTERNATIONAL SCHOOL  
SR. SEC. CBSE AFFILIATED  
HOLIDAY HOME WORK (SESSION 2019-20)  
Class - IX

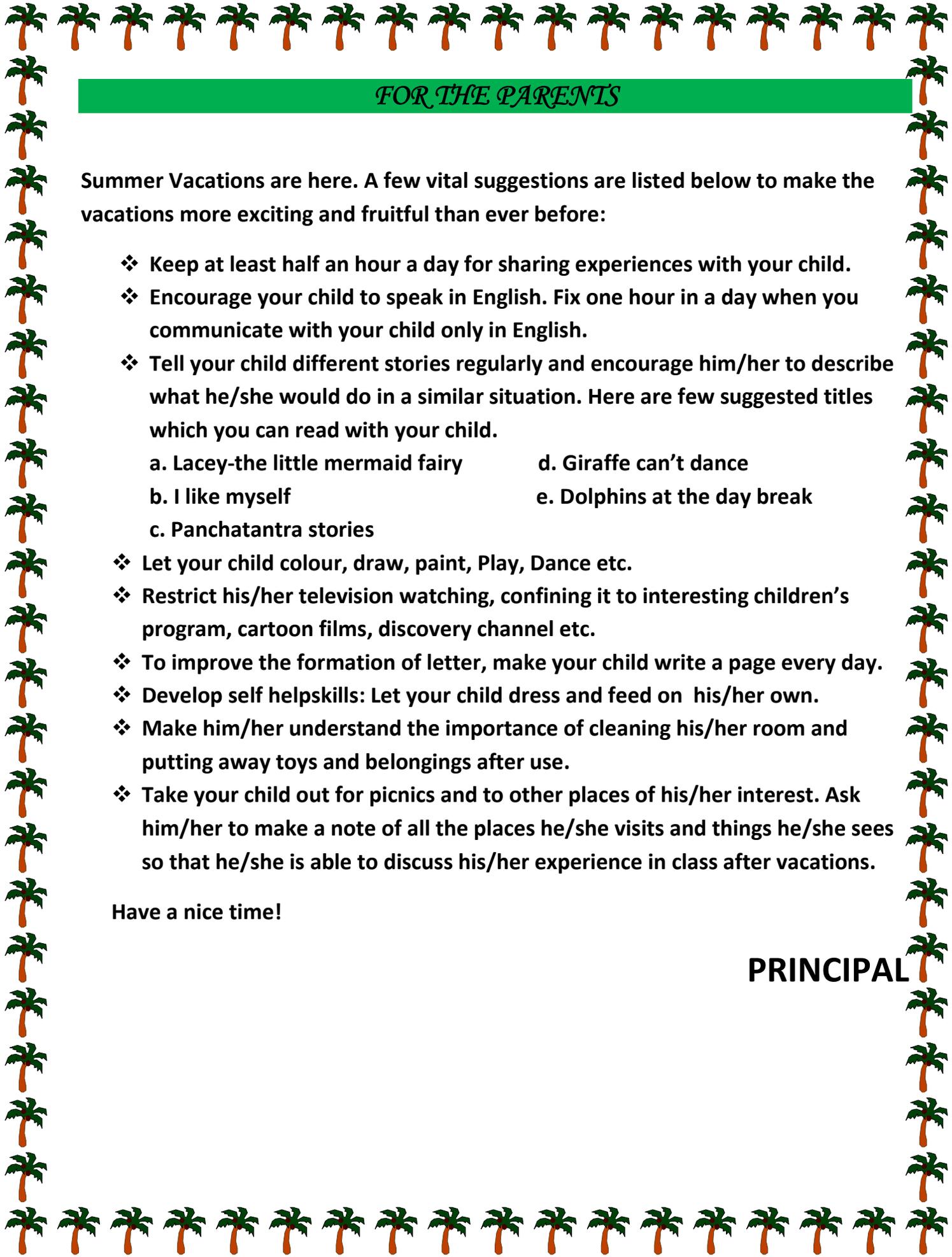


Please note the following:

- HHW of 5 marks will be added as a subject enrichment activity marks in Term I, hence submission of work post summer vacation is compulsory for all the students.
- Schedule for the Submission of HHW for all classes is as follows:

English	:	3/07/2019
Hindi	:	4/07/2019
Math	:	5/07/2019
Science	:	8/07/2019
Social Studies	:	9/07/2019
- Submission dates for Computer will be in the 2<sup>nd</sup> week of July.

Wishing you all a very fruitful and enjoyable vacations. **HAPPY HOLIDAYS!**



## FOR THE PARENTS

Summer Vacations are here. A few vital suggestions are listed below to make the vacations more exciting and fruitful than ever before:

- ❖ Keep at least half an hour a day for sharing experiences with your child.
- ❖ Encourage your child to speak in English. Fix one hour in a day when you communicate with your child only in English.
- ❖ Tell your child different stories regularly and encourage him/her to describe what he/she would do in a similar situation. Here are few suggested titles which you can read with your child.
  - a. Lacey-the little mermaid fairy
  - b. I like myself
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- ❖ Let your child colour, draw, paint, Play, Dance etc.
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- ❖ Take your child out for picnics and to other places of his/her interest. Ask him/her to make a note of all the places he/she visits and things he/she sees so that he/she is able to discuss his/her experience in class after vacations.

Have a nice time!

**PRINCIPAL**

# English

- I. Create and illustrate a weekly journal covering the following points in a scrap book-
- (a) Editorial (b) Health & Habits (c) Interests (d) Sports (e) Entertainment (f) Food (g) Travel
  - (h) Human Interests
  - (i) Creative Corner
- II. Write any one descriptive paragraphs in about 150 words in the note A4 size sheet based on -
- a) People - My Youth Icon (roll no. 1 to 15)
  - b) Places - My favourite holiday destination ( 16 to 30)
  - c) Event - International Yoga Day (31 onwards)
- III. Learn the syllabus done in the class. (Refer B.B.C Compacta)

# हिंदी

(1) दिए गए संकेत बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए।

(क) अनुशासन ही जीवन है

संकेत बिंदु- मनुष्य के विकास का आधार , निरंतर बढ़ती अनुशासनहीनता , लक्ष्य-प्राप्ति के लिए अनुशासन आवश्यक।

(ख) महानगरीय जीवन शैली

संकेत बिंदु- धनी वर्ग के लोगों की अधिकता , धनी वर्ग और निर्धन वर्ग में अंतर , आम आदमी के लिए तनाव ,

(2) आकर्षक विज्ञापन तैयार कीजिए-(25-50) शब्दों में

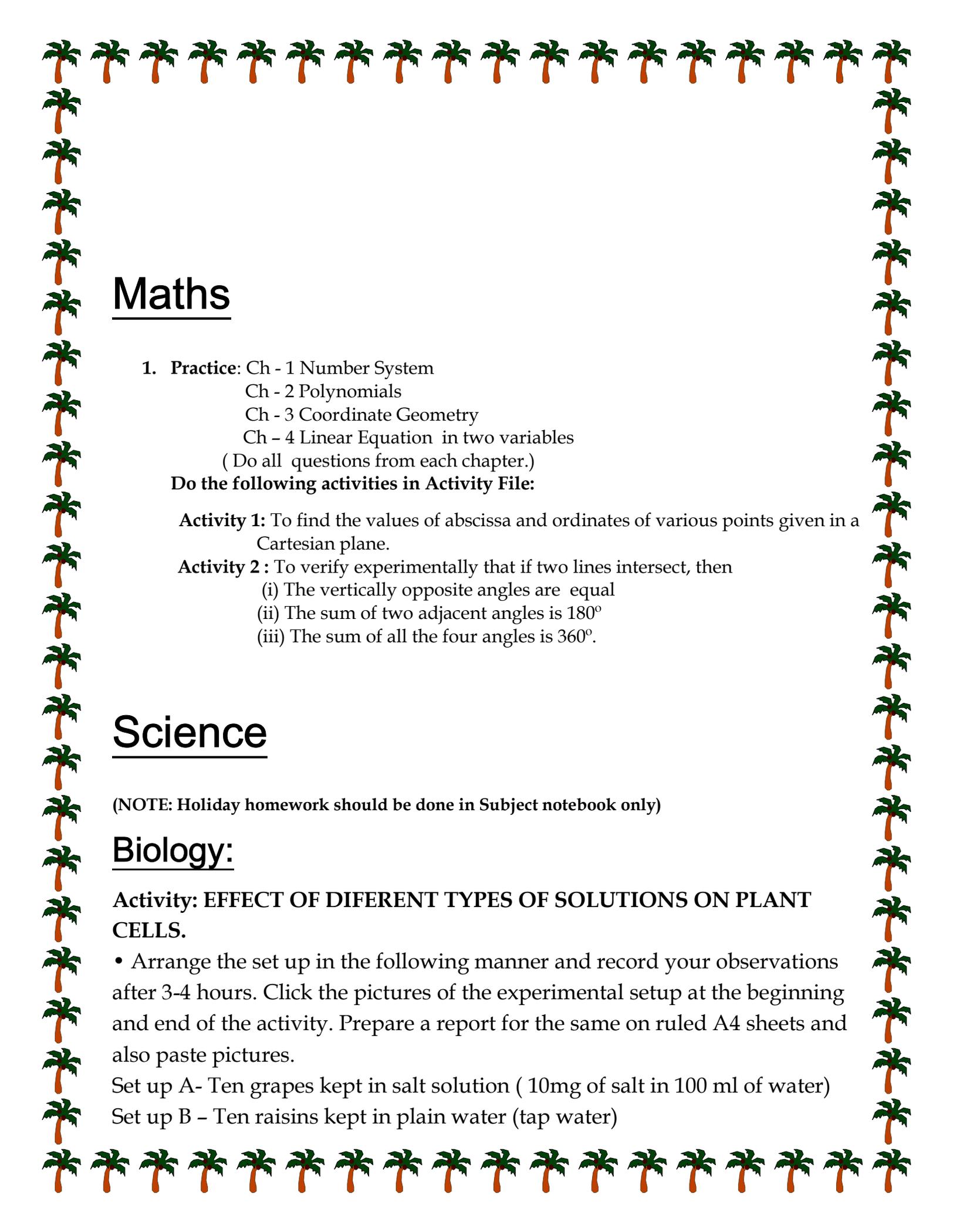
1. 'चेतक मोटरसाइकिल' नामक कंपनी के विक्रेता के लिए
2. हर्बल टूथपेस्ट 'दंत-ज्योति' के विक्रेता के लिए

(3) 1. 'समय के सदुपयोग' के संबंध में बड़े भाई और छोटे भाई के मध्य हुए संवाद को लिखिए।

2. मोबाइल फोन के दुरुपयोग पर दो छात्रों के मध्य हुए संवाद को लिखिए।

(4) दो अपठित काव्यांश तथा दो अपठित गद्यांश लिखिए।

(5) अपनी पाठ्य पुस्तक 'व्याकरण परिचय' की पृष्ठ संख्या 163(1, 2) चित्रों को देखकर अपने मन में उभरे विचारों का वर्णन लगभग 25-30 शब्दों में कीजिए।



# Maths

1. Practice: Ch - 1 Number System  
Ch - 2 Polynomials  
Ch - 3 Coordinate Geometry  
Ch - 4 Linear Equation in two variables  
( Do all questions from each chapter.)

**Do the following activities in Activity File:**

**Activity 1:** To find the values of abscissa and ordinates of various points given in a Cartesian plane.

**Activity 2 :** To verify experimentally that if two lines intersect, then

- (i) The vertically opposite angles are equal
- (ii) The sum of two adjacent angles is  $180^\circ$
- (iii) The sum of all the four angles is  $360^\circ$ .

# Science

(NOTE: Holiday homework should be done in Subject notebook only)

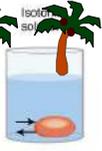
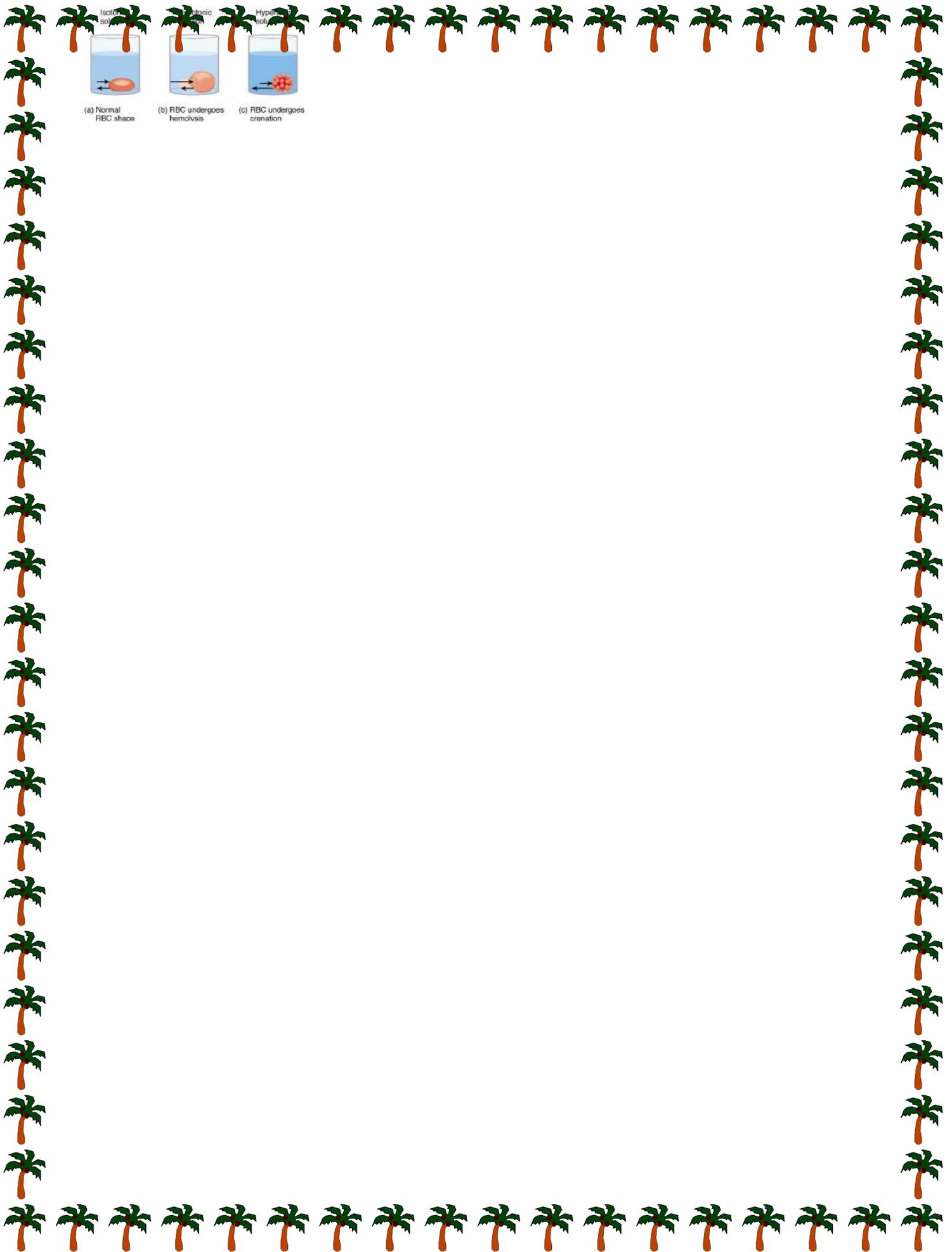
## Biology:

**Activity: EFFECT OF DIFFERENT TYPES OF SOLUTIONS ON PLANT CELLS.**

- Arrange the set up in the following manner and record your observations after 3-4 hours. Click the pictures of the experimental setup at the beginning and end of the activity. Prepare a report for the same on ruled A4 sheets and also paste pictures.

Set up A- Ten grapes kept in salt solution ( 10mg of salt in 100 ml of water)

Set up B – Ten raisins kept in plain water (tap water)



(a) Normal RBC shape



(b) RBC undergoes hemolysis



(c) RBC undergoes crenation



On the basis of observations made from above activity ;

I) Explain how plants can withstand extreme external media without getting affected?

II) Bacterial cells also possess similar feature. Collect information on ability of bacteria to survive under extreme environmental conditions .Write scientific names of five bacteria, diseases caused/useful effects and also paste their pictures on A4 sheets.

### Assignment

Q1 Write the main function of leucoplast.

Q2 What is the function of SER in liver cells of vertebrates?

Q3 Why the RER appears rough?

Q4 Why viruses are not supposed to be living?

Q5 What is a nucleoid?

Q6 Why dry raisins placed in water swell up?

Q7 In which part of a plant chromoplasts are found?

Q8 Where are genes located?

Q9 What will happen if we keep a plant cell or animal cell in a i) Hypotonic solution  
ii) Hypertonic solution iii) Isotonic solution.

Q10 Explain the importance of osmosis for living beings?

Q11 Give the historical development of cell theory.

Q12 Who coined the term protoplasm? Describe the term protoplasm.

Q13 Write the contribution of (a) Robert Hooke, (b) Leeuwenhoek (c) Robert Brown

Q14 Draw a large diagram of an animal cell as seen through an electron microscope.

Label the parts that carry on the function of Respiration, secretion, protein synthesis, transport of material.

Q15 Which substance is responsible for transfer of characters from one generation to another? Write a short note on that substance.

# Physics

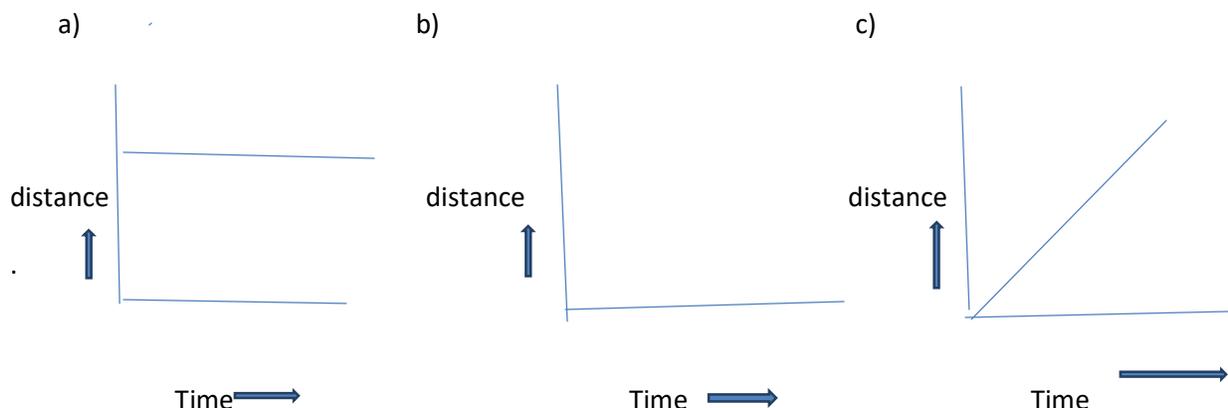
## Motion

- **Define:**
- What is unit of acceleration?
- What is zero uniform velocity motion?
- A body moving in a circle with constant speed. Is it acceleration?
- A body goes from point A to B and then return then from B to A. what is the total displacement?
- Acceleration is a vector quantity True or false?
- What is the path of a velocity -time graph of a body moving with uniform acceleration
- What all ways the velocity of the body can be changed?
- What is average speed?

## Fill in the blanks

1. A car starts at rest and travel a distance 20 m in 1 sec .The car average speed is .....
2. Motion of earth around sun is an example of ..... motion
3. Tractor moving with 18 km/h is ..... then car moving with 1500 m/ min
4. The motion of a free falling body is an example of ..... motion
5. The curved speed time graph represent .....accelerated motion
6. Distance is a .....quantity while displacement is a ..... quantity

Q1.What kind of motion of an object is represented by graph shown in fig.



Q2. A marble rolling on smooth floor has an initial velocity of  $0.4\text{m/s}$ . If floor offers a retardation of  $0.2\text{ m/s}^2$ . Calculate the time it will take to come to rest.

Q3. Name the physical quantity denoted by

- a) The slope of distance - time graph.
- b) Area under velocity - time graph.
- c) Slope of velocity - time graph.

Q4. A car accelerated uniformly from  $18\text{km/h}$  to  $36\text{km/h}$  in 5 sec. Calculate a) acceleration b) distance covered by the car in that time.

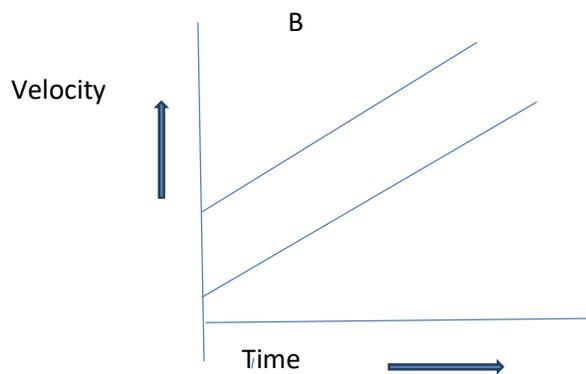
Q5. Derive Eq. of motion by Graph Method.

Q6. Train starting from rest attain a velocity of  $108\text{km/h}$  in 3 minute. Assuming that acceleration to be uniform find a) acceleration b) distance travelled by train for attaining this velocity.

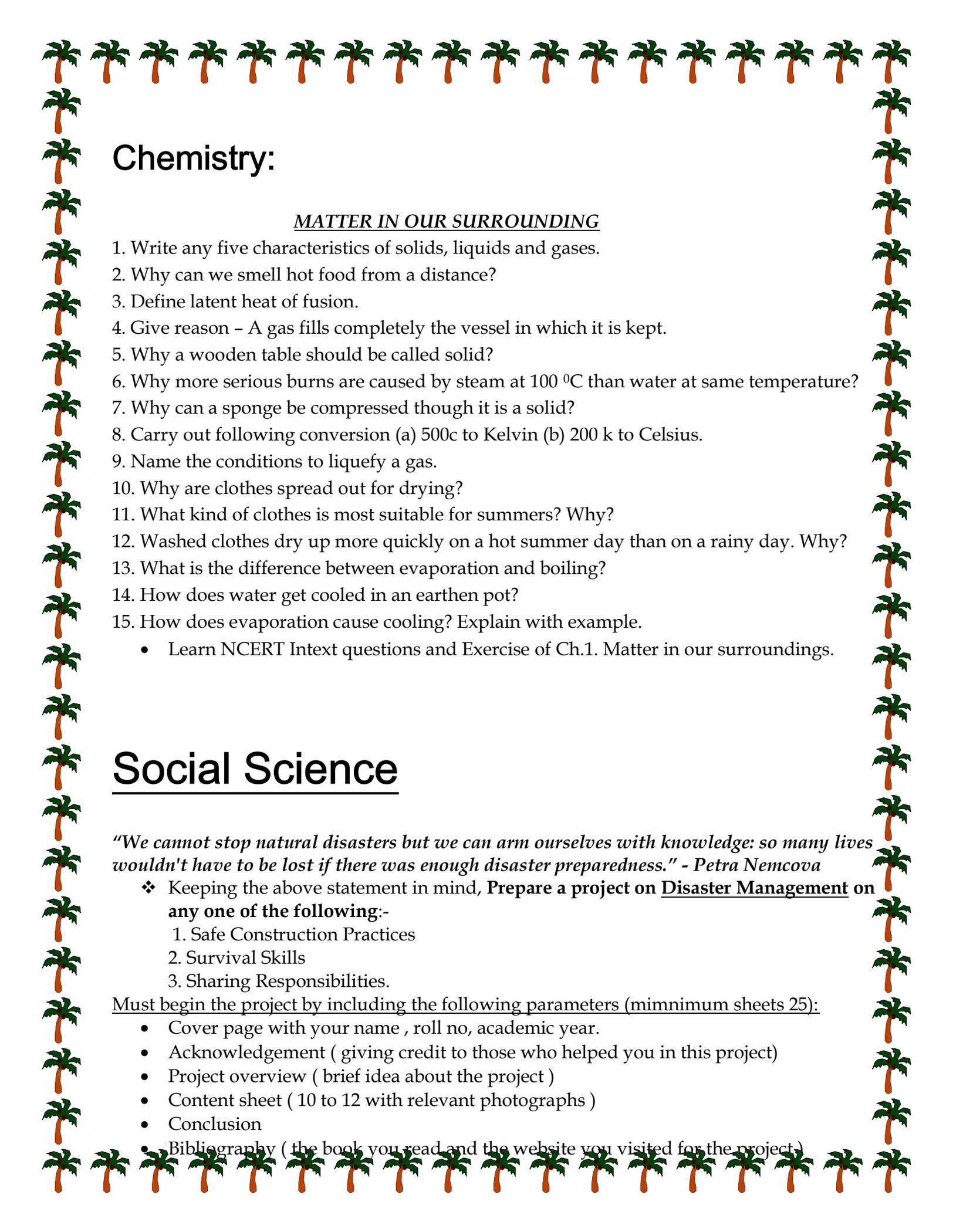
Q7. A train  $100\text{m}$  long to cross river bridge of length  $800\text{m}$ . What time it will take to cross the bridge? If train moves with constant velocity of  $36\text{km/h}$ .

Q8. An athlete complete one round of a circular track of radius  $r$  in time  $t$ . What is his Av. Speed?

Q9. Two velocity- time graph have been shown. Which represent higher acceleration & Why?



Q10. An artificial satellite is moving in a circular orbit of radius  $42,250\text{km}$ . Calculate its speed if it takes 24 Hr. to revolve around earth.



# Chemistry:

## MATTER IN OUR SURROUNDING

1. Write any five characteristics of solids, liquids and gases.
2. Why can we smell hot food from a distance?
3. Define latent heat of fusion.
4. Give reason - A gas fills completely the vessel in which it is kept.
5. Why a wooden table should be called solid?
6. Why more serious burns are caused by steam at 100 °C than water at same temperature?
7. Why can a sponge be compressed though it is a solid?
8. Carry out following conversion (a) 500c to Kelvin (b) 200 k to Celsius.
9. Name the conditions to liquefy a gas.
10. Why are clothes spread out for drying?
11. What kind of clothes is most suitable for summers? Why?
12. Washed clothes dry up more quickly on a hot summer day than on a rainy day. Why?
13. What is the difference between evaporation and boiling?
14. How does water get cooled in an earthen pot?
15. How does evaporation cause cooling? Explain with example.
  - Learn NCERT Intext questions and Exercise of Ch.1. Matter in our surroundings.

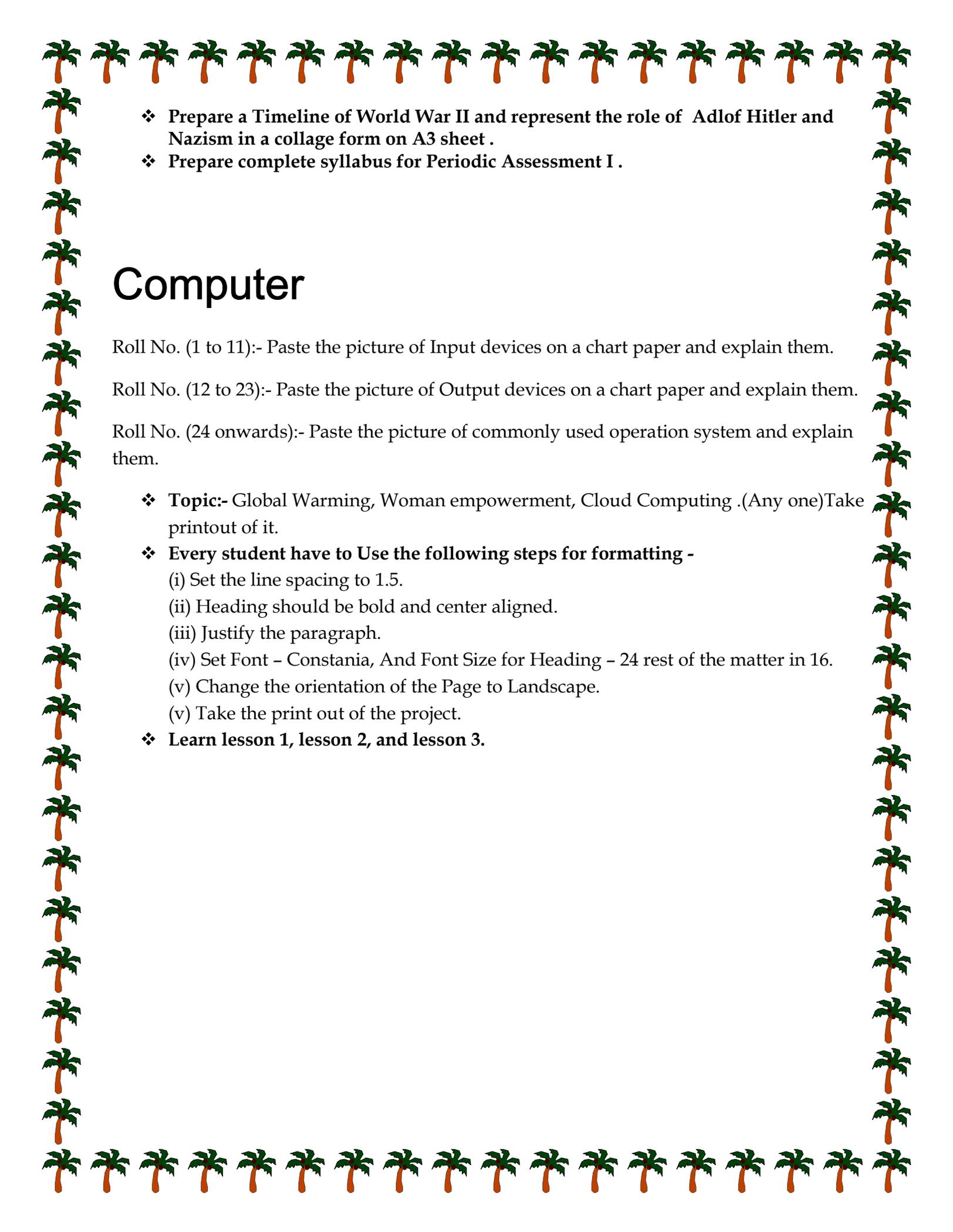
# Social Science

*"We cannot stop natural disasters but we can arm ourselves with knowledge: so many lives wouldn't have to be lost if there was enough disaster preparedness." - Petra Nemcova*

- ❖ Keeping the above statement in mind, **Prepare a project on Disaster Management on any one of the following:-**
  1. Safe Construction Practices
  2. Survival Skills
  3. Sharing Responsibilities.

Must begin the project by including the following parameters (mimmimum sheets 25):

- Cover page with your name , roll no, academic year.
- Acknowledgement ( giving credit to those who helped you in this project)
- Project overview ( brief idea about the project )
- Content sheet ( 10 to 12 with relevant photographs )
- Conclusion
- Bibliography ( the book you read and the website you visited for the project)

- 
- ❖ Prepare a Timeline of World War II and represent the role of Adlof Hitler and Nazism in a collage form on A3 sheet .
  - ❖ Prepare complete syllabus for Periodic Assessment I .

# Computer

Roll No. (1 to 11):- Paste the picture of Input devices on a chart paper and explain them.

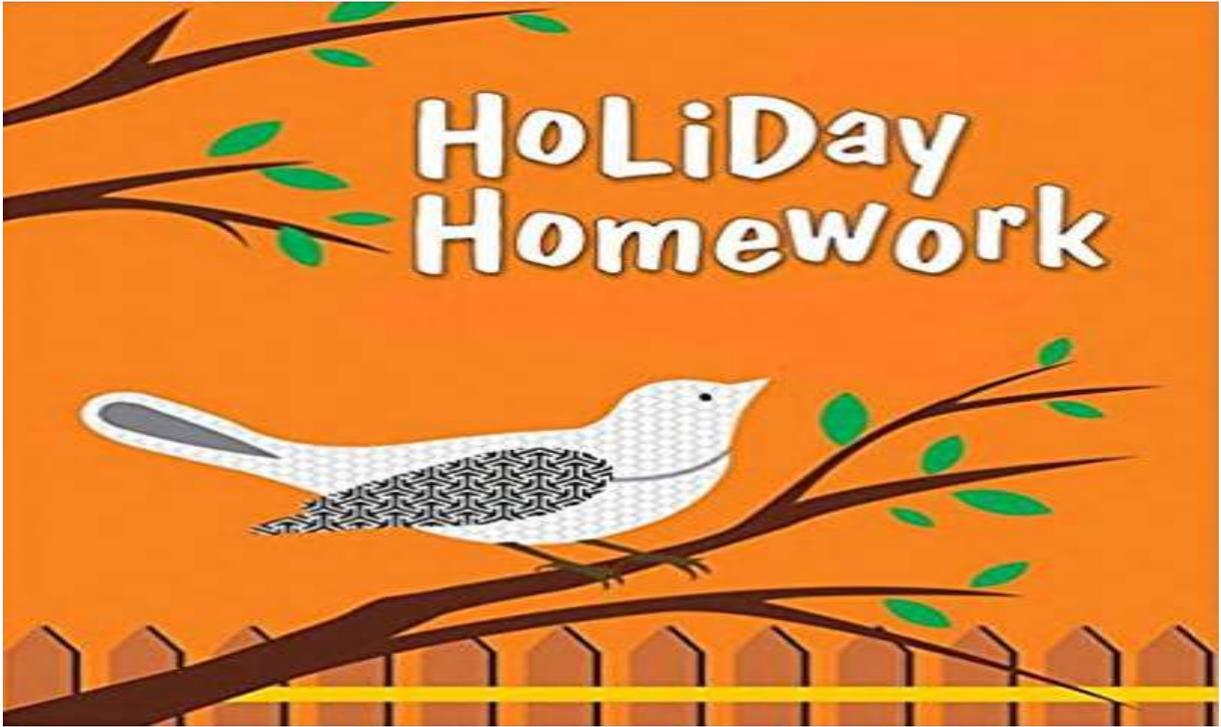
Roll No. (12 to 23):- Paste the picture of Output devices on a chart paper and explain them.

Roll No. (24 onwards):- Paste the picture of commonly used operation system and explain them.

- ❖ **Topic:-** Global Warming, Woman empowerment, Cloud Computing .(Any one)Take printout of it.
- ❖ **Every student have to Use the following steps for formatting -**
  - (i) Set the line spacing to 1.5.
  - (ii) Heading should be bold and center aligned.
  - (iii) Justify the paragraph.
  - (iv) Set Font – Constania, And Font Size for Heading – 24 rest of the matter in 16.
  - (v) Change the orientation of the Page to Landscape.
  - (v) Take the print out of the project.
- ❖ **Learn lesson 1, lesson 2, and lesson 3.**



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Class - X

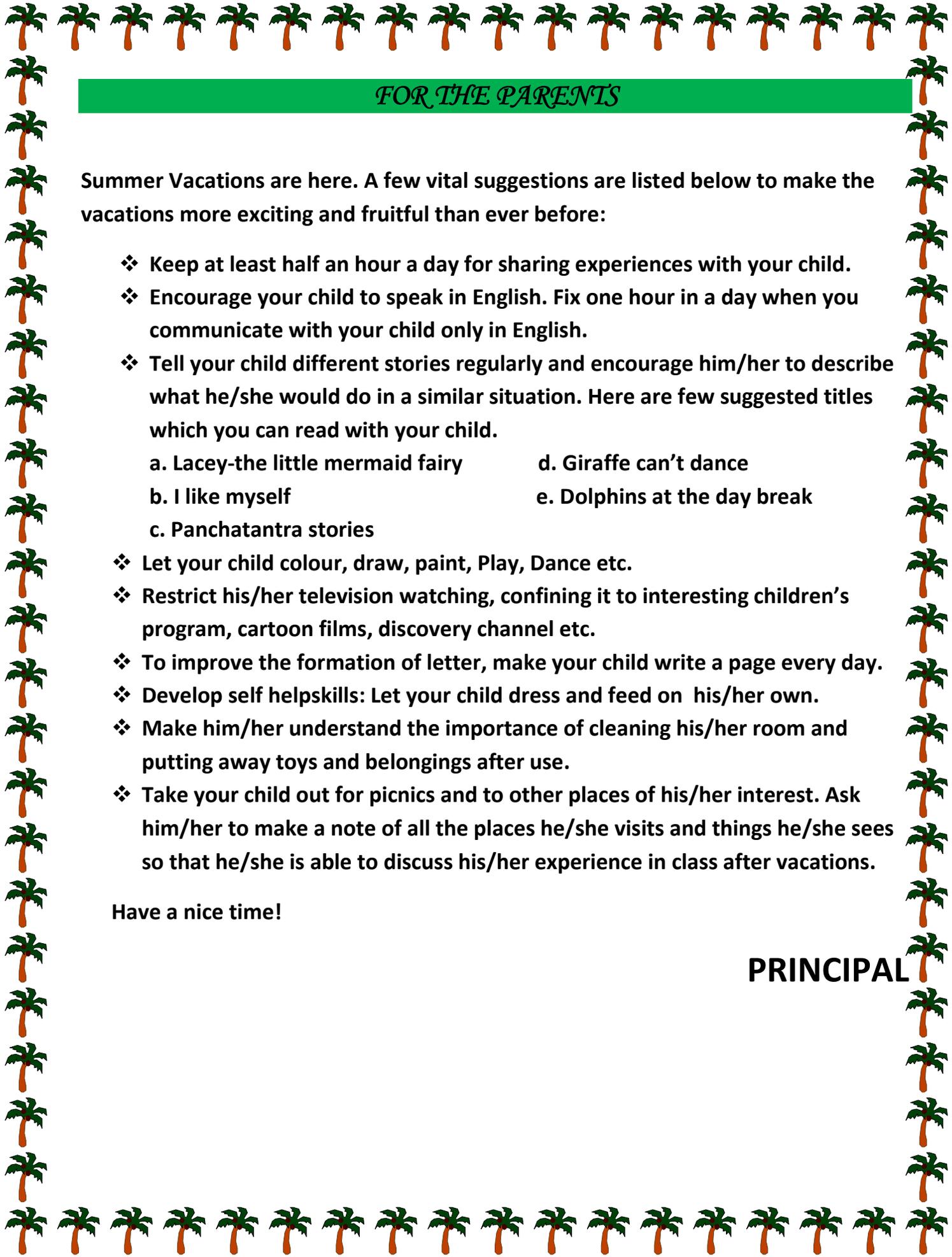


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Wishing you all a very fruitful and enjoyable vacations. **HAPPY HOLIDAYS!**



## FOR THE PARENTS

Summer Vacations are here. A few vital suggestions are listed below to make the vacations more exciting and fruitful than ever before:

- ❖ Keep at least half an hour a day for sharing experiences with your child.
- ❖ Encourage your child to speak in English. Fix one hour in a day when you communicate with your child only in English.
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Have a nice time!

**PRINCIPAL**

# English

Read any one Story book and summarize it in the form of PowerPoint Presentation (slides).

The slides must be in the following order:

- 1.General information about the book
- 2.Author's description
- 3.Character's description
- 4.Summary of the story
- 5.Moral/ what you get from the story

Note- You can include different pictures related to the text in the slides. Presentation in form of paragraph will not be accepted. It must be in points. The slides must not be more than 10- 15.

B. Describe the following proverbs in your own words in not more than 50 words on A4 size sheet.

- a) No gains without pains.
- b) All's well that ends well.

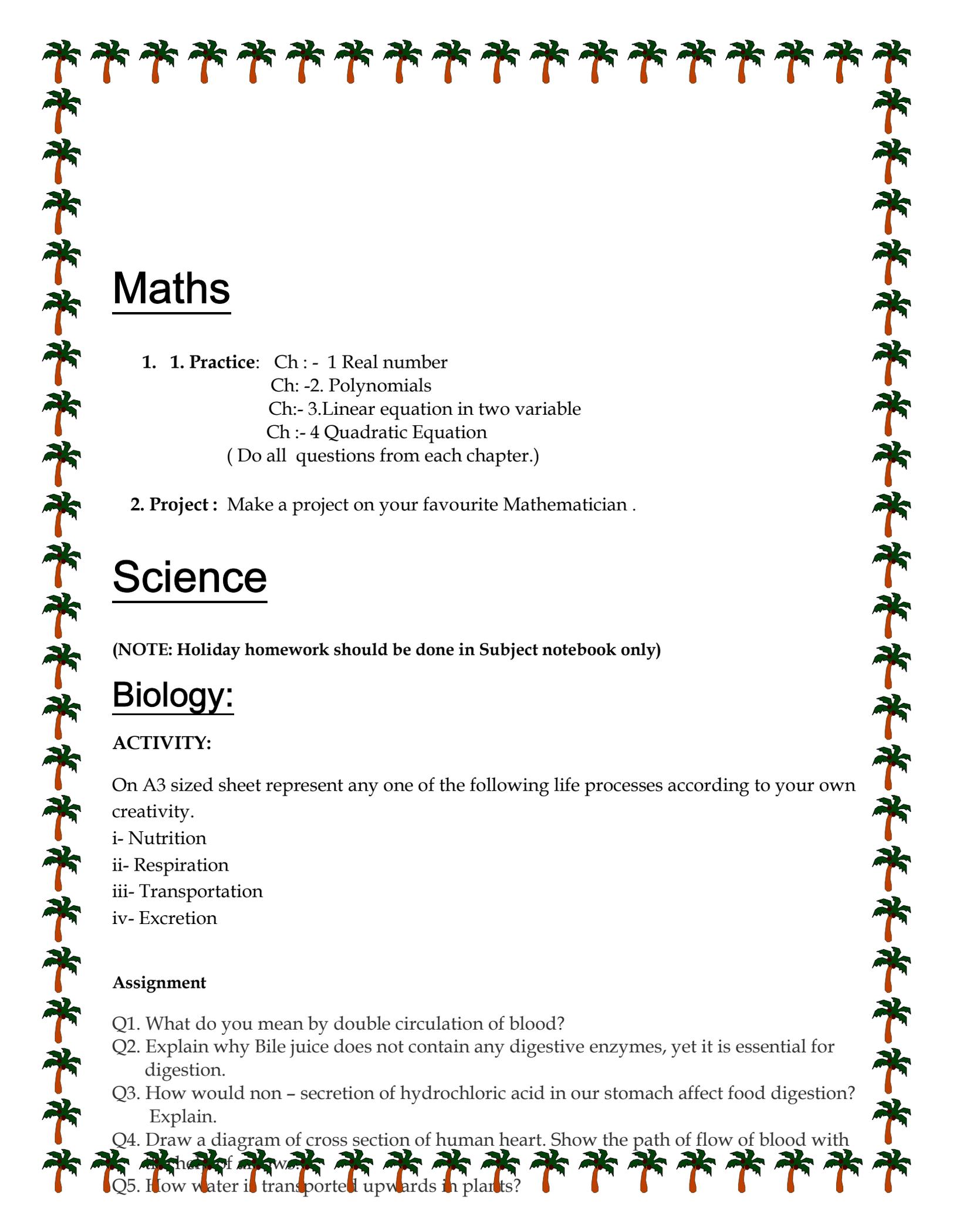
C. Learn the whole syllabus done in the class .

## हिंदी

(1) संकेत बिंदुओं के आधार पर लगभग 100 शब्दों में अनुच्छेद लिखिए ।

- (क) क्रोध सबसे बड़ा शत्रु  
संकेतबिंदु- क्रोध के कारण , क्रोध के दुष्परिणाम , क्रोध को दबाने के लाभ
- (ख) कंप्यूटर हमारा मित्र  
संकेत बिंदु- कंप्यूटर के लाभ , विद्यार्थियों के लिए उपयोग , सुझाव

- (2) (क) प्रसिद्ध अर्पित तेल कंपनी के विक्रेता के लिए 25 से 50 शब्दों में विज्ञापन तैयार कीजिए ।  
(ख) गर्मियों की छुट्टियों में आपने एक नृत्य संस्थान खोला है। इससे संबंधित 25 से 50 शब्दों में विज्ञापन तैयार करिए।
- (3) (क) किसी प्रेरणादायक पुस्तक के दो पाठकों का आपसी संवाद लगभग 50 शब्दों में लिखिए ।  
(ख) एक घायल व्यक्ति को सड़क पर देखकर दो मित्रों में हुए संवाद को लगभग 50 शब्दों में लिखिए।
- (4) अपनी व्याकरण उत्तरपुस्तिका में गद्यांश खंड पाठ-1, 2, 3, 4 , पद्यांश पाठ- 1, 2, 3 संचयन पाठ-1के समस्त पदों का विग्रह कर समास का नाम लिखिए ।



# Maths

- 1. Practice:** Ch : - 1 Real number  
Ch: -2. Polynomials  
Ch:- 3.Linear equation in two variable  
Ch :- 4 Quadratic Equation  
( Do all questions from each chapter.)

- 2. Project :** Make a project on your favourite Mathematician .

# Science

(NOTE: Holiday homework should be done in Subject notebook only)

## Biology:

### ACTIVITY:

On A3 sized sheet represent any one of the following life processes according to your own creativity.

- Nutrition
- Respiration
- Transportation
- Excretion

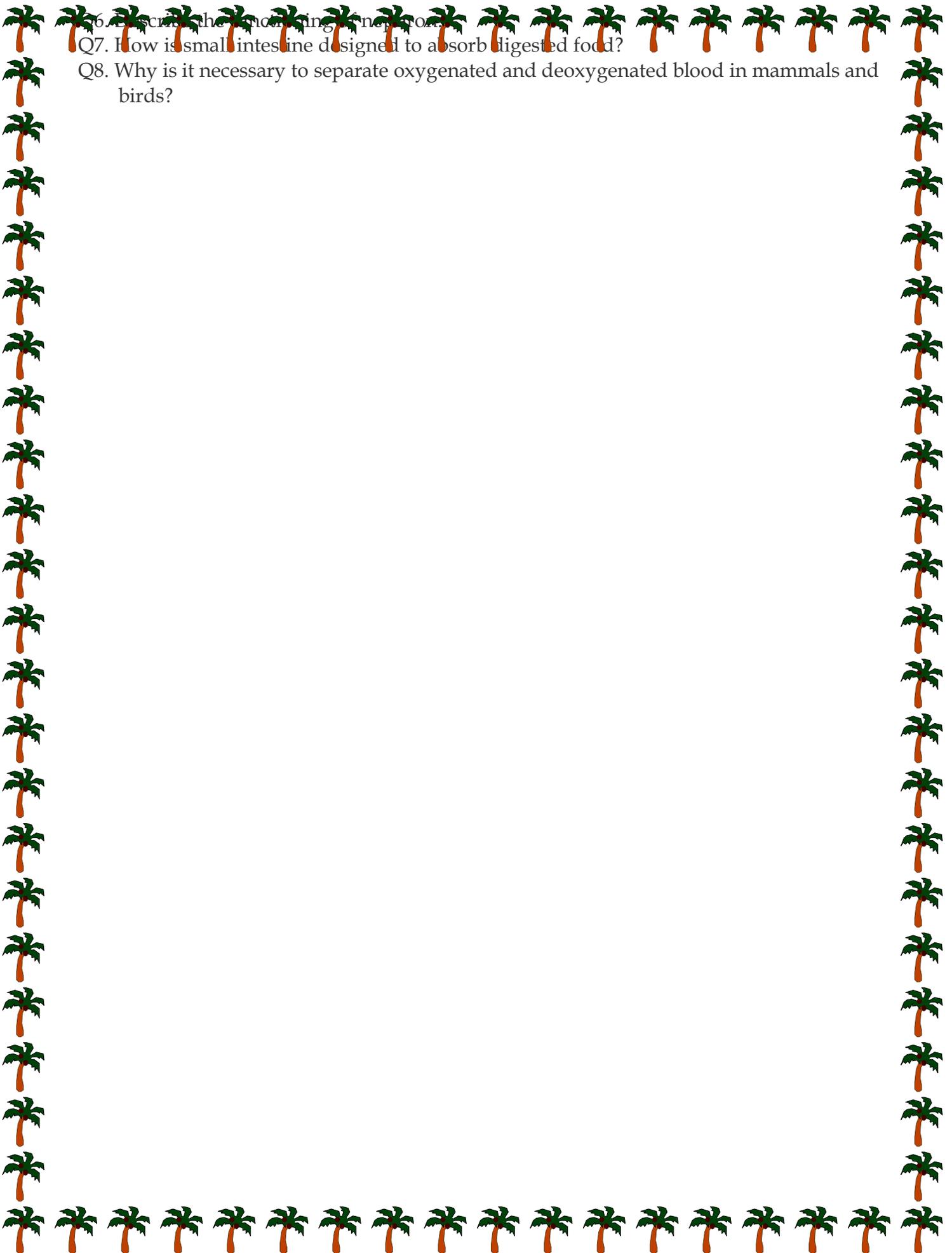
### Assignment

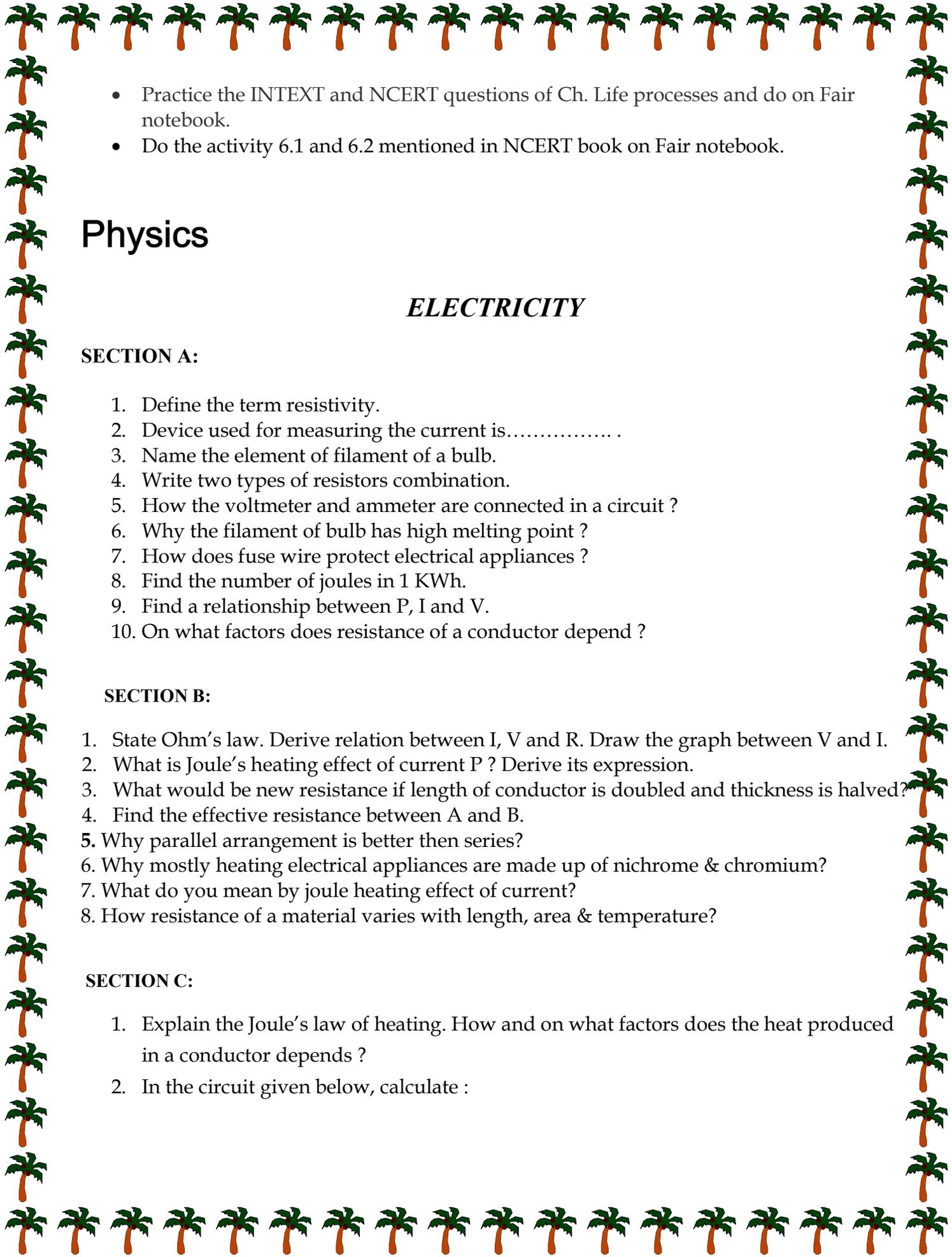
- Q1. What do you mean by double circulation of blood?
- Q2. Explain why Bile juice does not contain any digestive enzymes, yet it is essential for digestion.
- Q3. How would non – secretion of hydrochloric acid in our stomach affect food digestion? Explain.
- Q4. Draw a diagram of cross section of human heart. Show the path of flow of blood with the help of arrows.
- Q5. How water is transported upwards in plants?

Q6. Describe the following structure.

Q7. How is small intestine designed to absorb digested food?

Q8. Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?



- 
- Practice the INTEXT and NCERT questions of Ch. Life processes and do on Fair notebook.
  - Do the activity 6.1 and 6.2 mentioned in NCERT book on Fair notebook.

## Physics

### *ELECTRICITY*

#### SECTION A:

1. Define the term resistivity.
2. Device used for measuring the current is.....
3. Name the element of filament of a bulb.
4. Write two types of resistors combination.
5. How the voltmeter and ammeter are connected in a circuit ?
6. Why the filament of bulb has high melting point ?
7. How does fuse wire protect electrical appliances ?
8. Find the number of joules in 1 KWh.
9. Find a relationship between P, I and V.
10. On what factors does resistance of a conductor depend ?

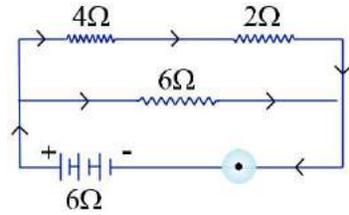
#### SECTION B:

1. State Ohm's law. Derive relation between I, V and R. Draw the graph between V and I.
2. What is Joule's heating effect of current P ? Derive its expression.
3. What would be new resistance if length of conductor is doubled and thickness is halved?
4. Find the effective resistance between A and B.
5. Why parallel arrangement is better then series?
6. Why mostly heating electrical appliances are made up of nichrome & chromium?
7. What do you mean by joule heating effect of current?
8. How resistance of a material varies with length, area & temperature?

#### SECTION C:

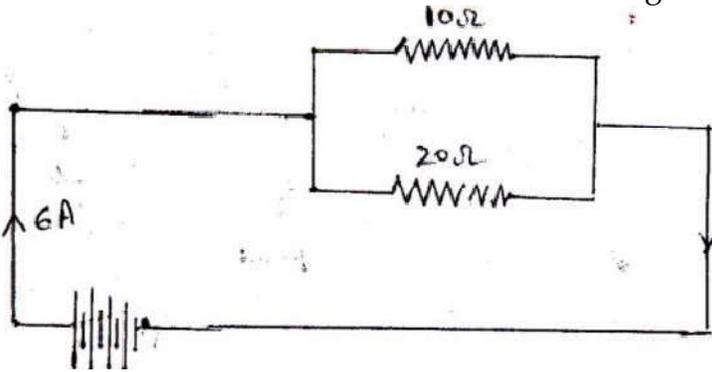
1. Explain the Joule's law of heating. How and on what factors does the heat produced in a conductor depends ?
2. In the circuit given below, calculate :

3. In the given circuit below calculate:  
 Total effective resistance.  
 Potential difference across  $4\Omega$ ,  $2\Omega$ .

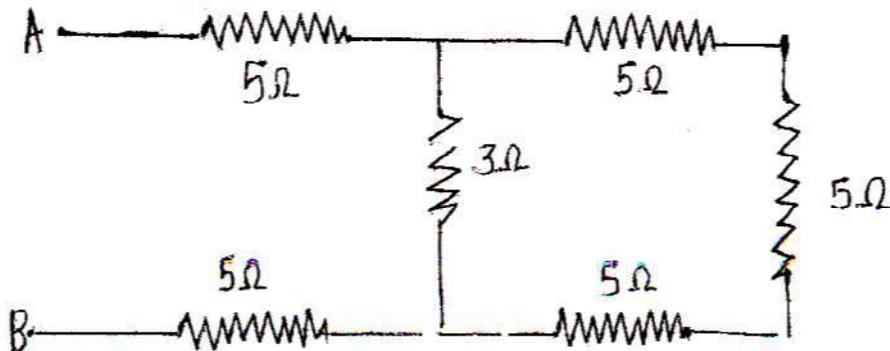


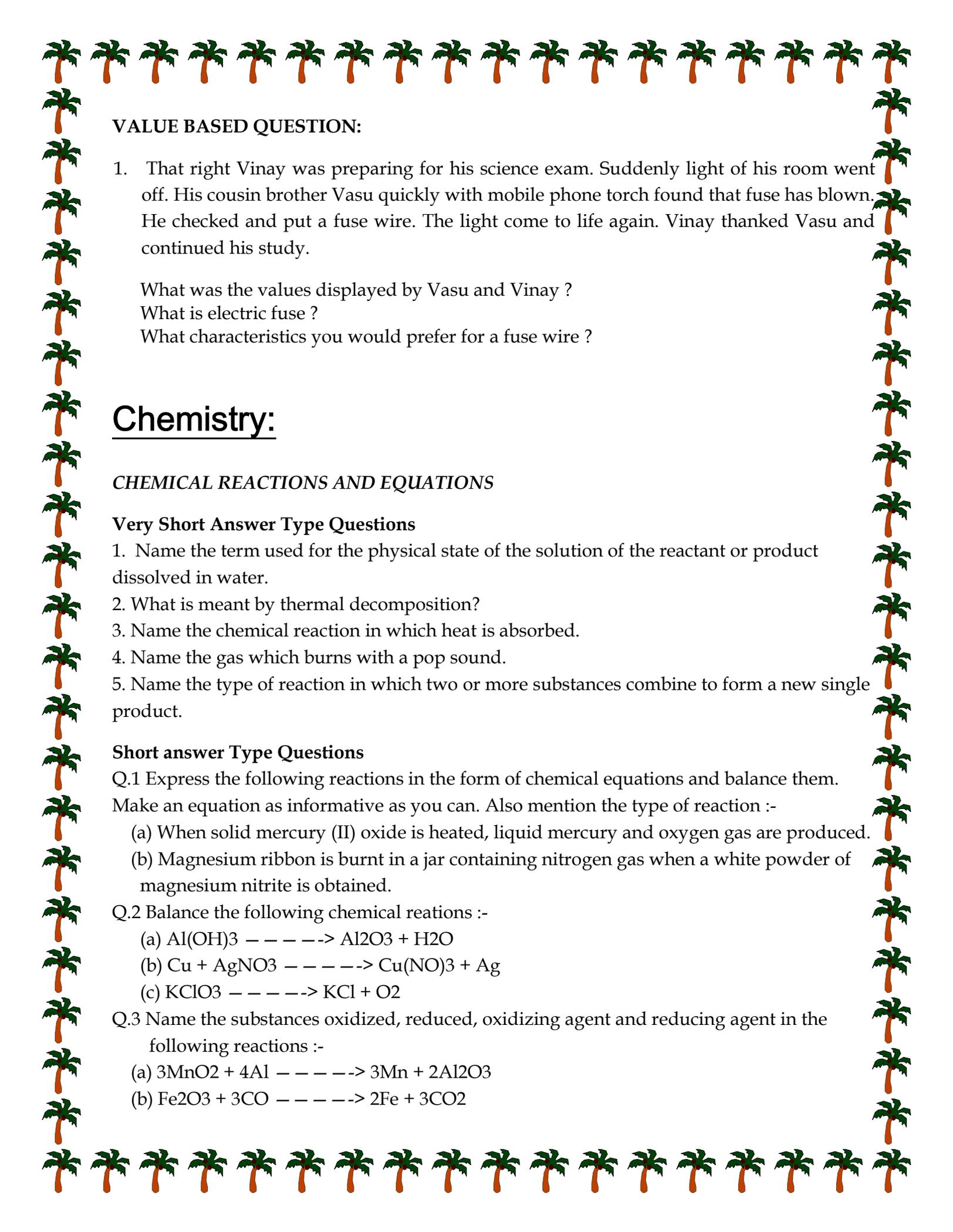
4. Three resistances of  $2\Omega$ ,  $3\Omega$  and  $5\Omega$  are connected in electric circuit. Find :  
 a. maximum effective resistance.  
 b. minimum effective resistance.
5. On what factors, the resistance of a conductor depends ? Give the mathematical expression. Give the SI unit of resistivity.

6. Two resistances of 10 ohm and 20 ohm are connected in parallel. A battery provides 6A of current to the combination as shown in the figure. Calculate the current in each resistor?



- Q7. Calculate the resistance between A and B of the circuit shown





## VALUE BASED QUESTION:

1. That night Vinay was preparing for his science exam. Suddenly light of his room went off. His cousin brother Vasu quickly with mobile phone torch found that fuse has blown. He checked and put a fuse wire. The light came to life again. Vinay thanked Vasu and continued his study.

What was the values displayed by Vasu and Vinay ?

What is electric fuse ?

What characteristics you would prefer for a fuse wire ?

## Chemistry:

### *CHEMICAL REACTIONS AND EQUATIONS*

#### **Very Short Answer Type Questions**

1. Name the term used for the physical state of the solution of the reactant or product dissolved in water.
2. What is meant by thermal decomposition?
3. Name the chemical reaction in which heat is absorbed.
4. Name the gas which burns with a pop sound.
5. Name the type of reaction in which two or more substances combine to form a new single product.

#### **Short answer Type Questions**

Q.1 Express the following reactions in the form of chemical equations and balance them.

Make an equation as informative as you can. Also mention the type of reaction :-

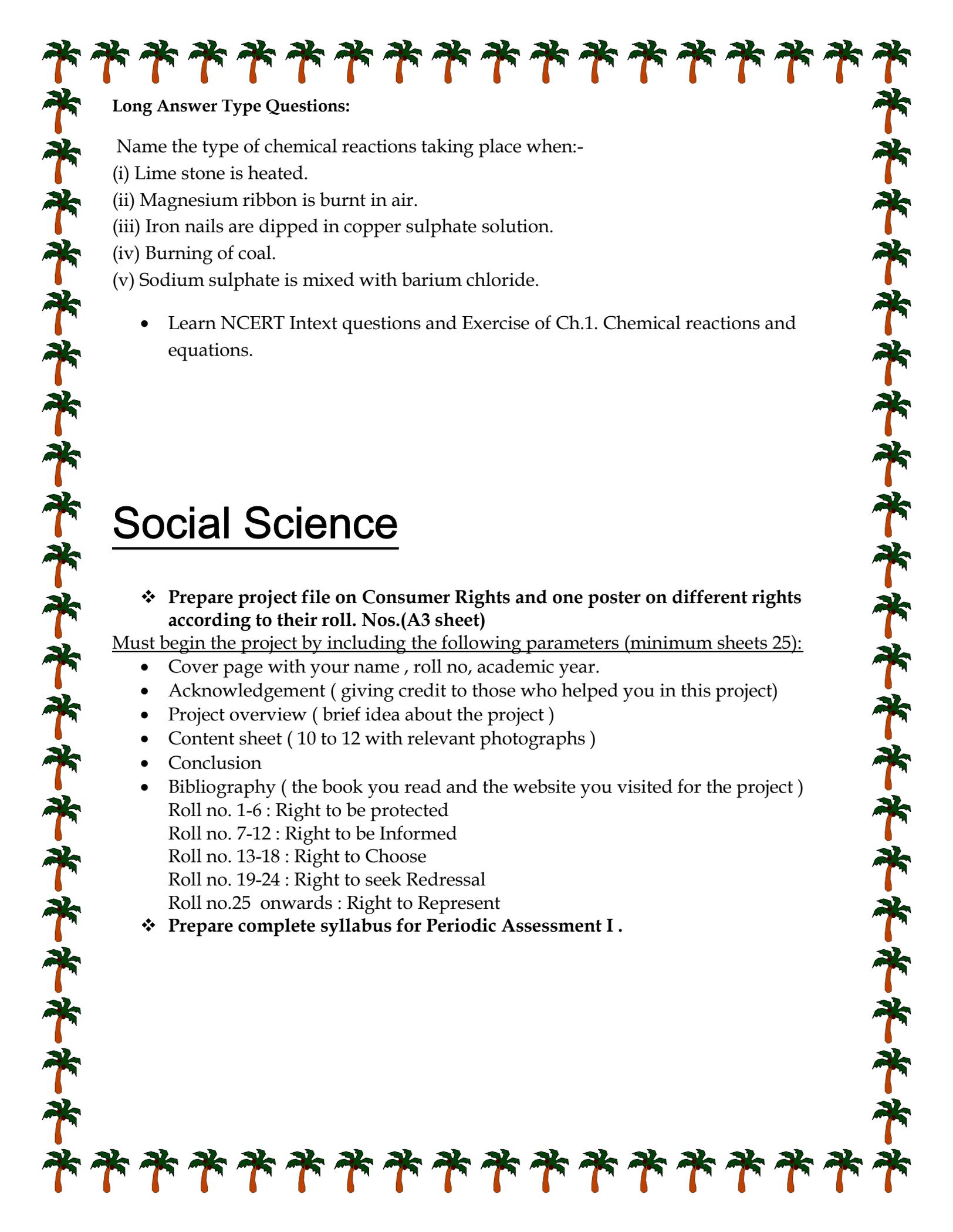
- (a) When solid mercury (II) oxide is heated, liquid mercury and oxygen gas are produced.
- (b) Magnesium ribbon is burnt in a jar containing nitrogen gas when a white powder of magnesium nitride is obtained.

Q.2 Balance the following chemical reactions :-

- (a)  $\text{Al}(\text{OH})_3 \longrightarrow \text{Al}_2\text{O}_3 + \text{H}_2\text{O}$
- (b)  $\text{Cu} + \text{AgNO}_3 \longrightarrow \text{Cu}(\text{NO}_3)_2 + \text{Ag}$
- (c)  $\text{KClO}_3 \longrightarrow \text{KCl} + \text{O}_2$

Q.3 Name the substances oxidized, reduced, oxidizing agent and reducing agent in the following reactions :-

- (a)  $3\text{MnO}_2 + 4\text{Al} \longrightarrow 3\text{Mn} + 2\text{Al}_2\text{O}_3$
- (b)  $\text{Fe}_2\text{O}_3 + 3\text{CO} \longrightarrow 2\text{Fe} + 3\text{CO}_2$



### Long Answer Type Questions:

Name the type of chemical reactions taking place when:-

- (i) Lime stone is heated.
- (ii) Magnesium ribbon is burnt in air.
- (iii) Iron nails are dipped in copper sulphate solution.
- (iv) Burning of coal.
- (v) Sodium sulphate is mixed with barium chloride.

- Learn NCERT Intext questions and Exercise of Ch.1. Chemical reactions and equations.

## Social Science

- ❖ **Prepare project file on Consumer Rights and one poster on different rights according to their roll. Nos.(A3 sheet)**

Must begin the project by including the following parameters (minimum sheets 25):

- Cover page with your name , roll no, academic year.
- Acknowledgement ( giving credit to those who helped you in this project)
- Project overview ( brief idea about the project )
- Content sheet ( 10 to 12 with relevant photographs )
- Conclusion
- Bibliography ( the book you read and the website you visited for the project )

Roll no. 1-6 : Right to be protected

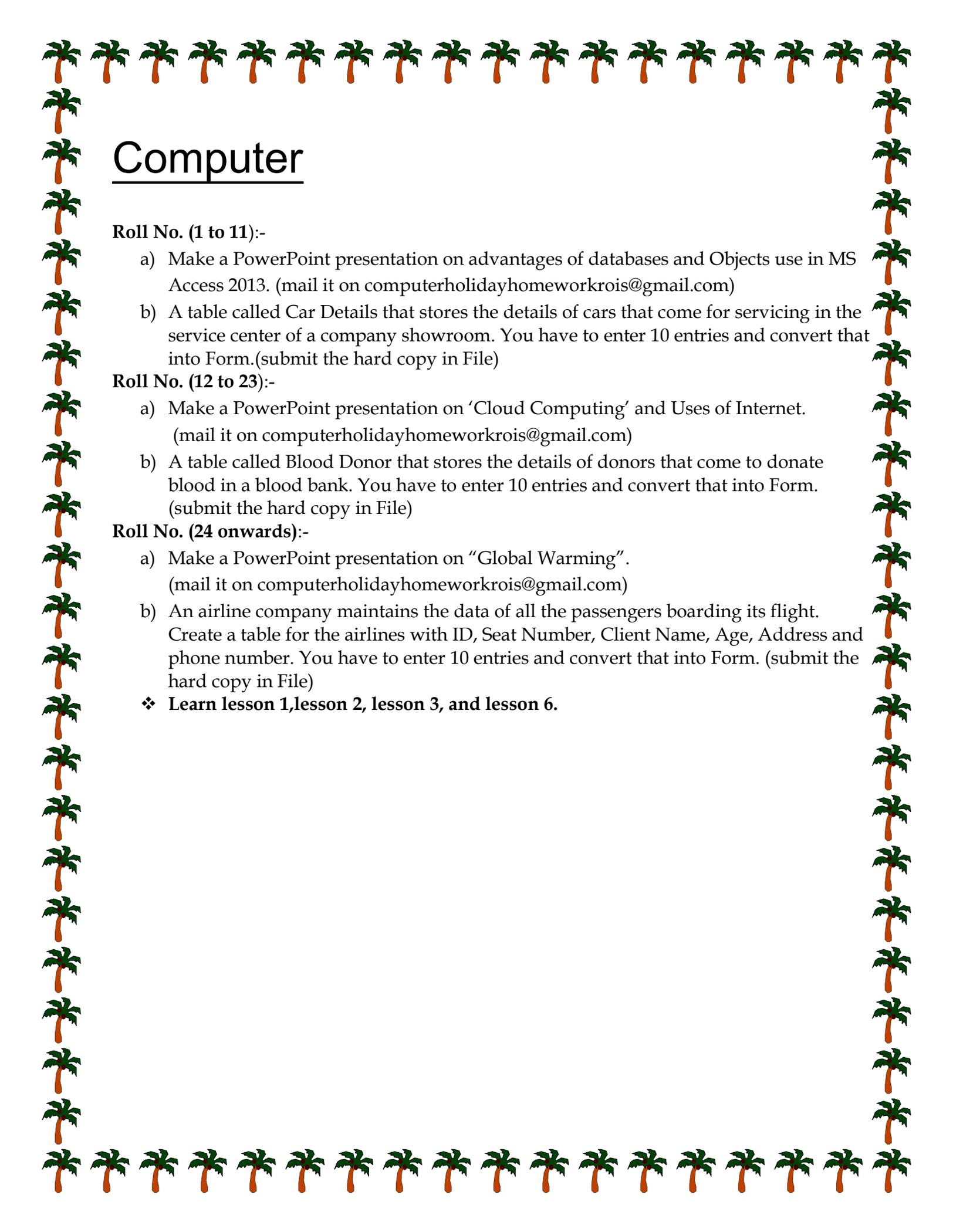
Roll no. 7-12 : Right to be Informed

Roll no. 13-18 : Right to Choose

Roll no. 19-24 : Right to seek Redressal

Roll no.25 onwards : Right to Represent

- ❖ **Prepare complete syllabus for Periodic Assessment I .**



# Computer

## **Roll No. (1 to 11):-**

- a) Make a PowerPoint presentation on advantages of databases and Objects use in MS Access 2013. (mail it on computerholidayhomeworkkrois@gmail.com)
- b) A table called Car Details that stores the details of cars that come for servicing in the service center of a company showroom. You have to enter 10 entries and convert that into Form.(submit the hard copy in File)

## **Roll No. (12 to 23):-**

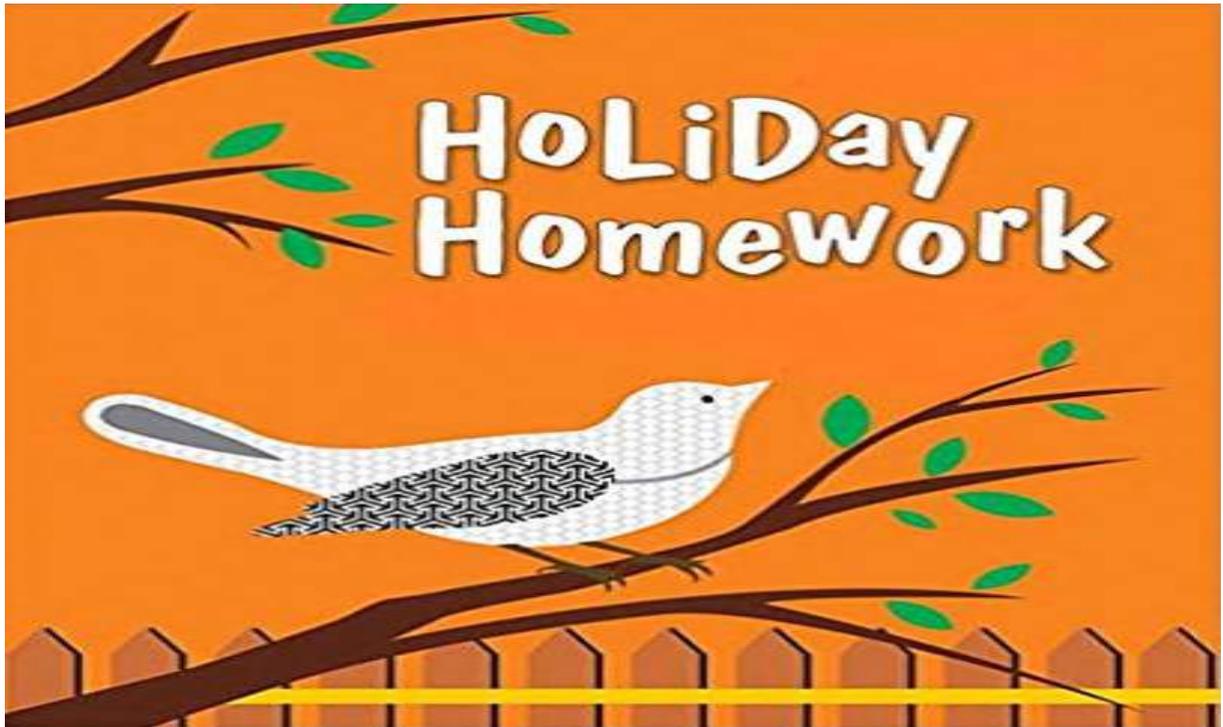
- a) Make a PowerPoint presentation on 'Cloud Computing' and Uses of Internet. (mail it on computerholidayhomeworkkrois@gmail.com)
- b) A table called Blood Donor that stores the details of donors that come to donate blood in a blood bank. You have to enter 10 entries and convert that into Form. (submit the hard copy in File)

## **Roll No. (24 onwards):-**

- a) Make a PowerPoint presentation on "Global Warming". (mail it on computerholidayhomeworkkrois@gmail.com)
  - b) An airline company maintains the data of all the passengers boarding its flight. Create a table for the airlines with ID, Seat Number, Client Name, Age, Address and phone number. You have to enter 10 entries and convert that into Form. (submit the hard copy in File)
- ❖ **Learn lesson 1, lesson 2, lesson 3, and lesson 6.**



ROYAL OAK INTERNATIONAL SCHOOL  
SR. SEC. CBSE AFFILIATED  
HOLIDAY HOME WORK (SESSION 2019-20)  
Class - XI

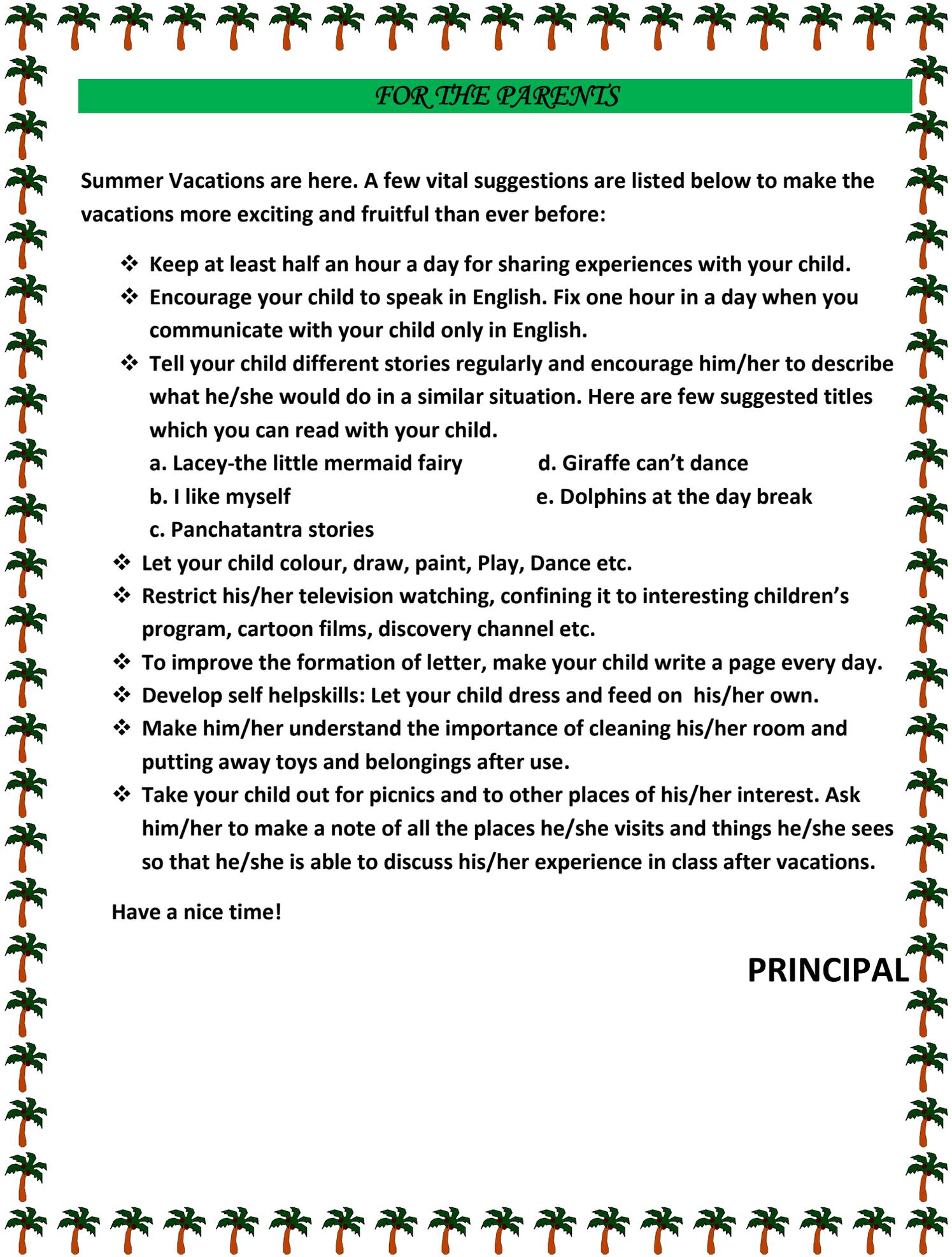


Please note the following:

- HHW of 5 marks will be added as a subject enrichment activity marks in Term I, hence submission of work post summer vacation is compulsory for all the students.
- Schedule for the Submission of HHW for all classes is as follows:

English	:	3/07/2019
Hindi	:	4/07/2019
Math	:	5/07/2019
Science	:	8/07/2019
Social Studies	:	9/07/2019
- Submission dates for Computer will be in the 2<sup>nd</sup> week of July.

Wishing you all a very fruitful and enjoyable vacations. **HAPPY HOLIDAYS!**



## FOR THE PARENTS

Summer Vacations are here. A few vital suggestions are listed below to make the vacations more exciting and fruitful than ever before:

- ❖ Keep at least half an hour a day for sharing experiences with your child.
- ❖ Encourage your child to speak in English. Fix one hour in a day when you communicate with your child only in English.
- ❖ Tell your child different stories regularly and encourage him/her to describe what he/she would do in a similar situation. Here are few suggested titles which you can read with your child.
  - a. Lacey-the little mermaid fairy
  - b. I like myself
  - c. Panchatantra stories
  - d. Giraffe can't dance
  - e. Dolphins at the day break
- ❖ Let your child colour, draw, paint, Play, Dance etc.
- ❖ Restrict his/her television watching, confining it to interesting children's program, cartoon films, discovery channel etc.
- ❖ To improve the formation of letter, make your child write a page every day.
- ❖ Develop self helpskills: Let your child dress and feed on his/her own.
- ❖ Make him/her understand the importance of cleaning his/her room and putting away toys and belongings after use.
- ❖ Take your child out for picnics and to other places of his/her interest. Ask him/her to make a note of all the places he/she visits and things he/she sees so that he/she is able to discuss his/her experience in class after vacations.

Have a nice time!

**PRINCIPAL**

# English

1. Read all the lessons and poems done in the class of both of the text books thoroughly.

2. Write an Article for the school magazine in about 150-200 words on the topics given below.

- (i) Evils of Gender – Bias (Roll No.: 1 to 10)
- (ii) Examination paves way for success (Roll No.: 11 to 20)
- (iii) Honour Killings: A stigma on modern society (Roll No.: 21 to 30)
- (iv) Menace of corruption (Roll No: 31 to 40)

3. Write a speech in about 150 words :-

- (i) Freedom of press gone too far (Roll No.: 1 to 10)
- (ii) Humour is the best way to resolve conflict (Roll No.: 11 to 20)
- (iii) Effective listening is more important than talking (Roll No.: 21 to 30)
- (iv) Pressure is good for self-development (Roll No.: 31 to 40)

कक्षा—ग्यारहवीं

विषय —हिंदी

1. निम्नलिखित कवियों की में से किंहीं दो कवियों का जीवन परिचय , उनकी काव्य रचनाएँ तथा उनकी कोई प्रसिद्ध कविताएँ सफेद ए-4 शीट पर सुंदर हस्तलिपि में लिख कर चित्र सहित एक फाइल तैयार कीजिए ।

रामधारी सिंह दिनकर ,सूर्यकांत त्रिपाठी निराला ,मैथिलीशरण गुप्त ,हजारी प्रसाद द्विवेदी ,

2. निम्नलिखित में से किंहीं दो लेखकों का जीवन परिचय , उनकी कहानी ,नाटक संस्मरण तथा लेख की समीक्षा सफेद ए-4 शीट पर सुंदर हस्तलिपि में लिख कर चित्र सहित एक फाइल तैयार कीजिए ।

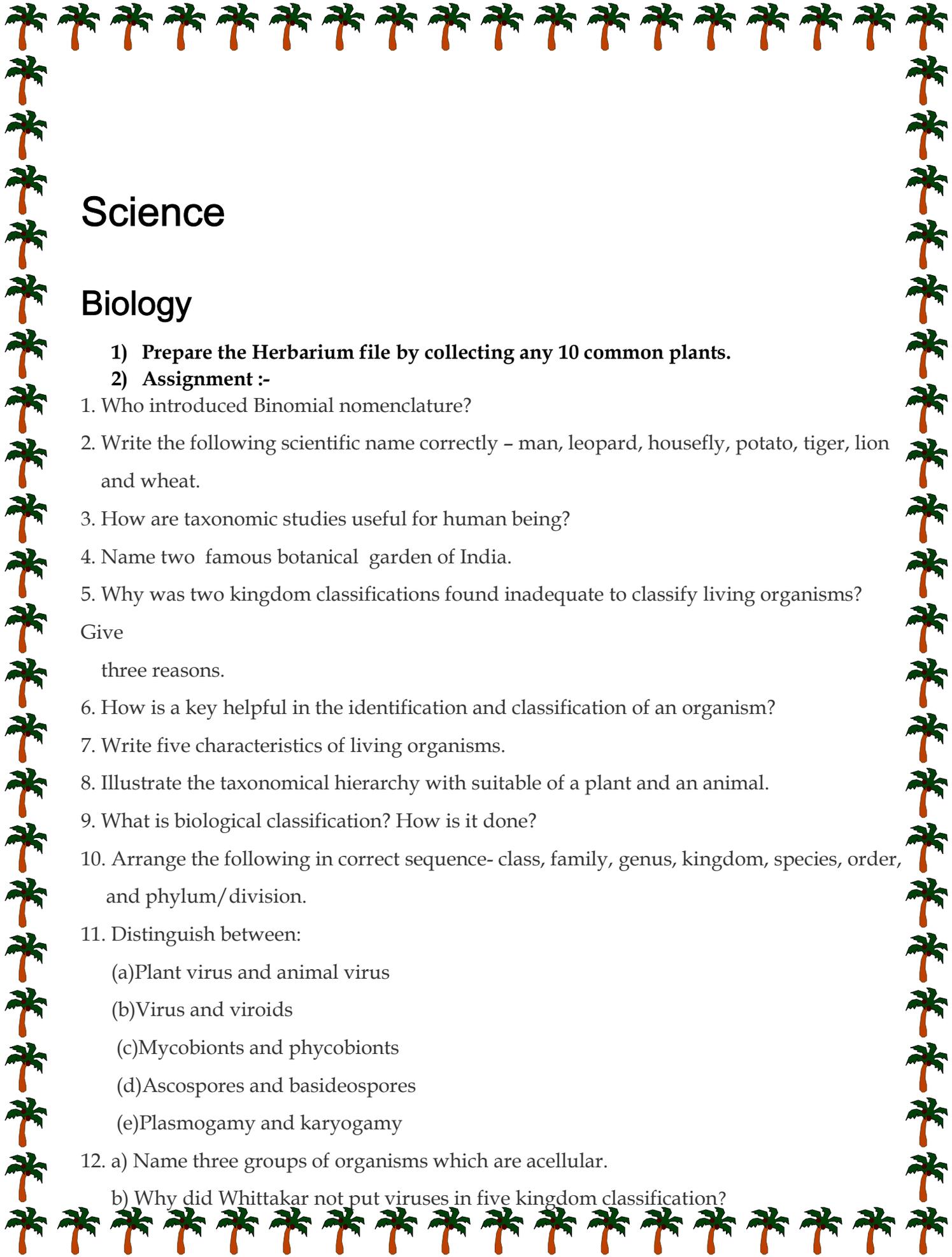
शिवमंगल सिंह सुमन ,भीष्म साहनी , धर्मवीर भारती ,आचार्य रामचंद्र शुक्ल

3. अभिव्यक्ति और माध्यम पुस्तकसेपाठ—' जन संचार माध्यम ' पढ़ कर बीस प्रश्न उत्तर सहित अपनी उत्तर पुस्तिका में लिखिए ।

# Maths

- . **Revise & Practice:** Ch -1 Sets +Examples of NCERT Text Book
- Ch -2 Relation and function +Examples of NCERT Text Book
- Ch -3 Trigonometry +Examples of NCERT Text Book
- Note : Do all questions in school note book**

Do the following activities in Activity File:



# Science

## Biology

1) Prepare the Herbarium file by collecting any 10 common plants.

2) Assignment :-

1. Who introduced Binomial nomenclature?
2. Write the following scientific name correctly – man, leopard, housefly, potato, tiger, lion and wheat.
3. How are taxonomic studies useful for human being?
4. Name two famous botanical garden of India.
5. Why was two kingdom classifications found inadequate to classify living organisms?

Give

three reasons.

6. How is a key helpful in the identification and classification of an organism?
7. Write five characteristics of living organisms.
8. Illustrate the taxonomical hierarchy with suitable of a plant and an animal.
9. What is biological classification? How is it done?
10. Arrange the following in correct sequence- class, family, genus, kingdom, species, order, and phylum/ division.
11. Distinguish between:
  - (a) Plant virus and animal virus
  - (b) Virus and viroids
  - (c) Mycobionts and phycobionts
  - (d) Ascospores and basidiospores
  - (e) Plasmogamy and karyogamy
12. a) Name three groups of organisms which are acellular.  
b) Why did Whittaker not put viruses in five kingdom classification?

## Chemistry

1. Solve NCERT Intext questions and Exercise questions of Ch.1. Some Basic Concepts of Chemistry and Ch.2. Structure of Atom.
2. Solve NCERT Exemplar of Ch.1. Some Basic Concepts of Chemistry and Ch.2. Structure of Atom.
3. Complete the practical record.
4. Prepare a project on Environmental Chemistry on A-4 size white sheets.

## Physics:-

- Make a Project Report of your choice related to physics.
- Make your Activity file (5 activity from section A & 5 from section B).
- Complete ten experiments in your practical file.
- Do the exercise and intext questions of NCERT.

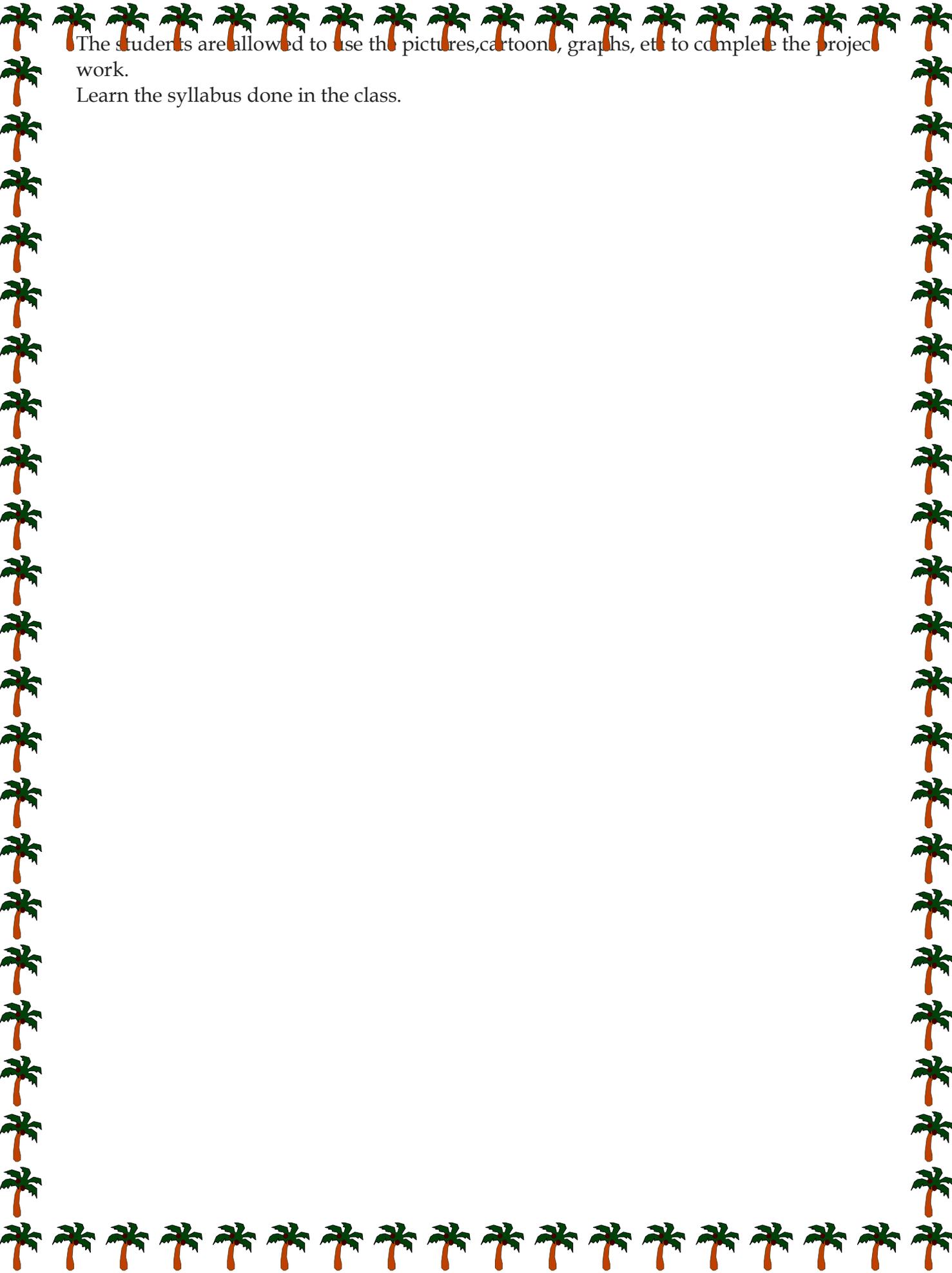
## POLITICAL SCIENCE

### Project Work: Political Theory

Project Objective: This project aims to introduce certain key aspects of conceptual analysis in political theory and the skills required to engage in debates surrounding the application of the concepts.

Prepare a ppt using the following topics.

1. a. What is Politics?  
b. What is Political Theory and what is its relevance?
2. Concepts: Democracy, Liberty, Equality, Justice, Rights, Gender, Citizenship, Civil Society and State
3. Debates in Political Theory:
  - a. Is democracy compatible with economic growth? (roll no.1 to 15)
  - b. On what grounds is censorship justified and what are its limits? (roll no. 16 to 30)
  - c. Does protective discrimination violate principles of fairness? (roll no. 31 and above)

A decorative border of palm trees surrounds the text. The border consists of 18 palm trees along the top edge, 18 along the bottom edge, and 20 along each of the left and right vertical edges.

The students are allowed to use the pictures, cartoon, graphs, etc to complete the project work.

Learn the syllabus done in the class.

# Sociology

Sociology Project File has to be done over the holidays.

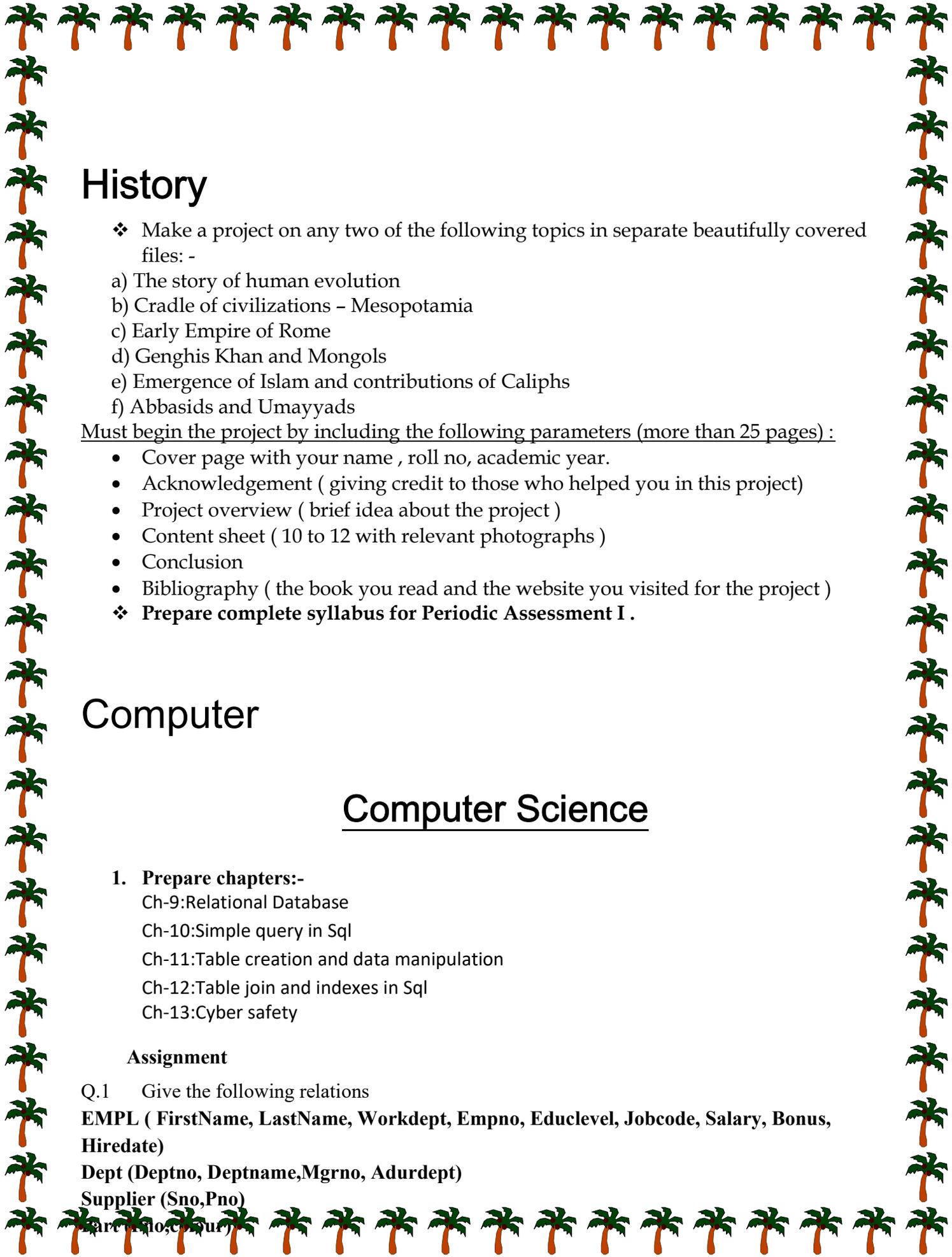
The following components should be complete

- a) Cover page
- b) Index
- c) Acknowledgment
- d) Introduction (explaining the topic well)
- e) Statement of Purpose
  - f) Research Question or Hypothesis
- g) Methodology (definition of the method chosen, why the method is appropriate for the topic given, advantages and disadvantages of the method)
- h) Presentation of secondary evidence such as news paper articles, magazine articles, and so on

Visit the given link for the sample of project file: <https://youtu.be/oP2W9IvIWcA>

## Topics for Project Work of Sociology

Roll No.	Topic	Roll No.	Topic	Roll No.	Topic
1.	Women – Balance between Work and Family	13.	Benefits of Car pooling	23.	Benefits of Car pooling
2.	Public vs. Private Education	14.	Social Networking in the New Millennium	24.	Social Networking in the New Millennium
3.	Crime – A Result of the Absence of Education	15.	The Rise of “Organic” Farming	25.	The Rise of “Organic” Farming
4.	Social Media and cyber - crime	16.	Media influences and Crime	26.	Women – Balance between Work and Family
5.	Current issues in the Education System	17.	Sports as a part of schooling: Good or Bad?	27.	The Rise of “Organic” Farming
6.	Liberal Lifestyle vs. conservative one	18.	Influence of sports on culture and society	28.	Media influences and Crime
7.	The life of disabled people in India	19.	Discipline and safety in Educational Institutions	29.	Sports as a part of schooling: Good or Bad?
8.	Domestic Violence	20.	Environmental Pollution and Industrialization	30.	Influence of sports on culture and society
9.	Sports and politics	19.	Female Foeticide and infanticide	31.	Environmental Pollution and Industrialization
10.	Media influences and Crime	20.	Increase Alcohol and drug abuse amongst teenagers	32.	Female Foeticide and infanticide
11.	Discipline and safety in Educational institutions	21.	Current Issues in the Education System	33.	Increase Alcohol and drug abuse amongst teenagers
12.	Social Networking in the New Millennium	22.	Public vs. Private Education	34.	Domestic Violence



# History

❖ Make a project on any two of the following topics in separate beautifully covered files: -

- a) The story of human evolution
- b) Cradle of civilizations – Mesopotamia
- c) Early Empire of Rome
- d) Genghis Khan and Mongols
- e) Emergence of Islam and contributions of Caliphs
- f) Abbasids and Umayyads

Must begin the project by including the following parameters (more than 25 pages) :

- Cover page with your name , roll no, academic year.
  - Acknowledgement ( giving credit to those who helped you in this project)
  - Project overview ( brief idea about the project )
  - Content sheet ( 10 to 12 with relevant photographs )
  - Conclusion
  - Bibliography ( the book you read and the website you visited for the project )
- ❖ **Prepare complete syllabus for Periodic Assessment I .**

# Computer

## Computer Science

### 1. Prepare chapters:-

- Ch-9:Relational Database
- Ch-10:Simple query in Sql
- Ch-11:Table creation and data manipulation
- Ch-12:Table join and indexes in Sql
- Ch-13:Cyber safety

### Assignment

Q.1 Give the following relations

**EMPL ( FirstName, LastName, Workdept, Empno, Educlevel, Jobcode, Salary, Bonus, Hiredate)**

**Dept (Deptno, Deptname,Mgrno, Adurdept)**

**Supplier (Sno,Pno)**

**Part (Pno,Cno,Sur)**

Write relational expressions for questions using the above relations.

- i) List employees first and last names.
- ii) Give all information on employees in manufacturing system.
- iii) Just give employee names in manufacturing systems.
- iv) Give employee names outside manufacturing systems.
- v) List employees numbers, name and educational levels for three education levels 16,18 and 20.
- vi) List suppliers who supply only red parts.

Q.2 Consider the following tables STOCK and DEALERS and answer (b1) and (b2) parts of this question:

**Table: STOCK**

ItemNo	Item	Dcode	Qty	UnitPrice	StockDate
5005	Ball Pen 0.5	102	100	16	31-Mar-10
5003	Ball Pen 0.25	102	150	20	01-Jan-10
5002	Gel Pen Premium	101	125	14	14-Feb-10
5006	Gel Pen Classic	101	200	22	01-Jan-09
5001	Eraser Small	102	210	5	19-Mar-09
5004	Eraser Big	102	60	10	12-Dec-09
5009	Sharpener Classic	103	160	8	23-Jan-09

**Table: DEALERS**

Dcode	Dname
101	Reliable Stationers
103	Classic Plastics
102	Clear Deals

**Write SQL commands for the following statements:**

- To display details of all Items in the Stock table in ascending order of StockDate
- To display ItemNo and Item name of those items from Stock table whose UnitPrice is more than Rupees 10.
- To display the details of those items whose dealer code (Dcode) is 102 or Quantity in Stock (Qty) is more than 100 from the table Stock.
- To display Maximum UnitPrice of items for each dealer individually as per Dcode from the table Stock.
- Give the output of the following SQL queries:
- SELECT COUNT(DISTINCT Dcode) FROM Stock;
- SELECT Qty\*UnitPrice FROM Stock WHERE ItemNo=5006;
- SELECT Item, Dname FROM Stock S, Dealers D WHERE S.Dcode=D.Dcode AND ItemNo=5004;
- SELECT MIN(StockDate) FROM Stock;

Q.3 What are the differences between char and varchar in sql?

Q.4 What is the difference between unique constraint and primary key constraint?

Q.5 What is a database system? What is its need? And what is the purpose of using MySQL?

Q.6 What is SQL? What are different categories of commands available in SQL? And

Differentiate between DDL and DML commands.

Q.7 Explain Relational Operators and Logical Operators.

Q.8 What is the difference between Primary key and Alternate key? Explain with suitable example.

Q.9 The Doc column of a table of a table Hospital is given below:

Doc
Avinash
Hariharam
Vinayak
Deepak
Sanjeev

Based on the information, find the output of the following queries

(a) `SELECT Doc from Hospital where doc like "%v";`

(b) `SELECT Doc from Hospital where doc like "%e%";`

Q.10 Explain some String Functions in Mysql.

## Information Practices

### 1. Prepare chapters:-

i) Ch-1: Computer system

ii) Ch-2 : Getting started with python

iii) Ch-10: Relational Database and structural query language(Sql)

iv) Ch-11: Cyber security

### Assignment Attached

### Assignment

Q.1 What is a database system? What is its need?

Q.2 Can you think of disadvantages of using a database system? What are these?

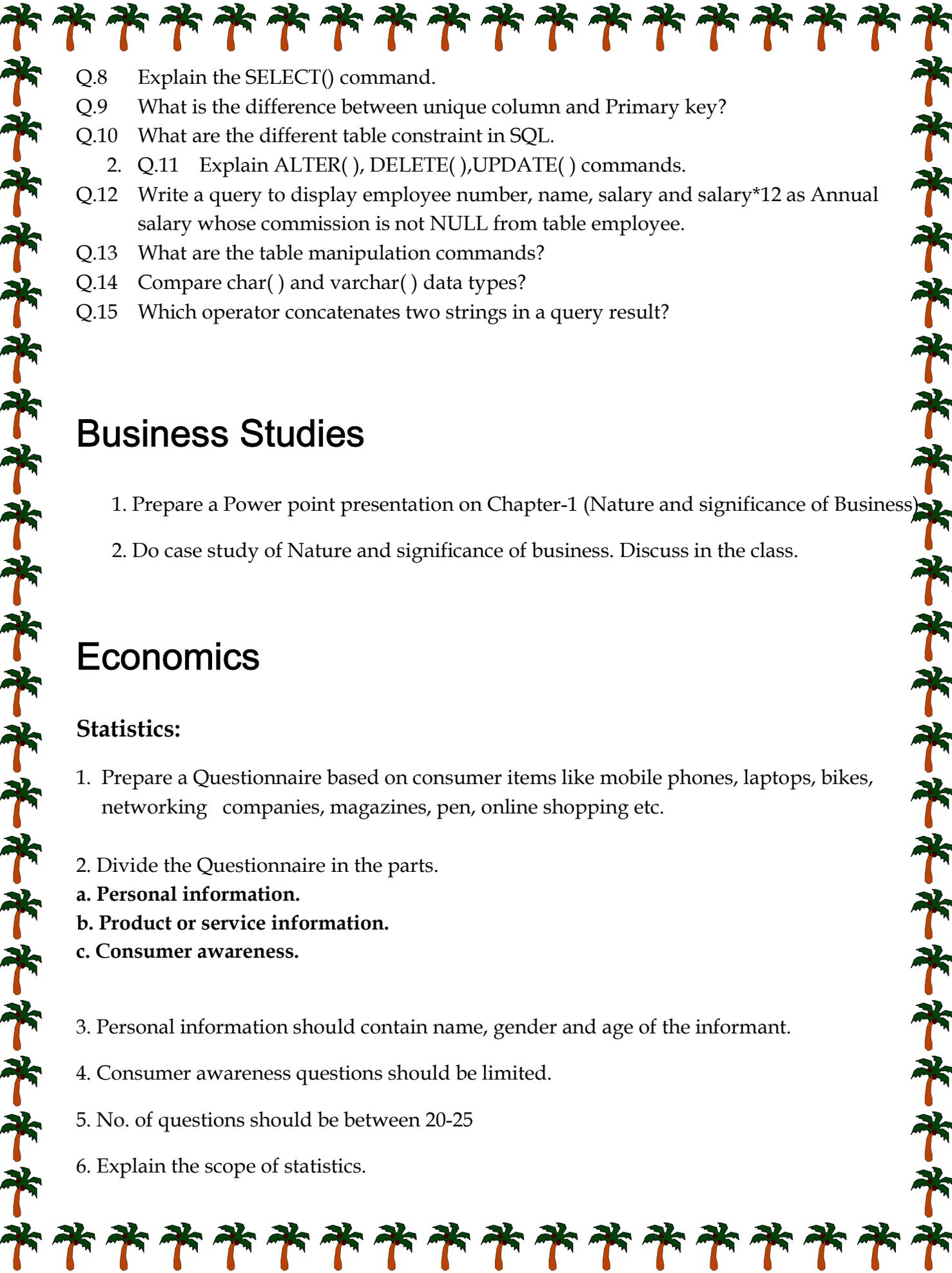
Q.3 What are views ? How are they useful?

Q.4 What do you understand by MySQL server instance?

Q.5 What is SQL ? What are different categories of commands available in SQL?

Q.6 Differentiate between DDL and DML commands.

Q.7 Explain the table maintenance commands.

- 
- Q.8 Explain the SELECT() command.
- Q.9 What is the difference between unique column and Primary key?
- Q.10 What are the different table constraint in SQL.
2. Q.11 Explain ALTER(), DELETE(), UPDATE() commands.
- Q.12 Write a query to display employee number, name, salary and salary\*12 as Annual salary whose commission is not NULL from table employee.
- Q.13 What are the table manipulation commands?
- Q.14 Compare char() and varchar() data types?
- Q.15 Which operator concatenates two strings in a query result?

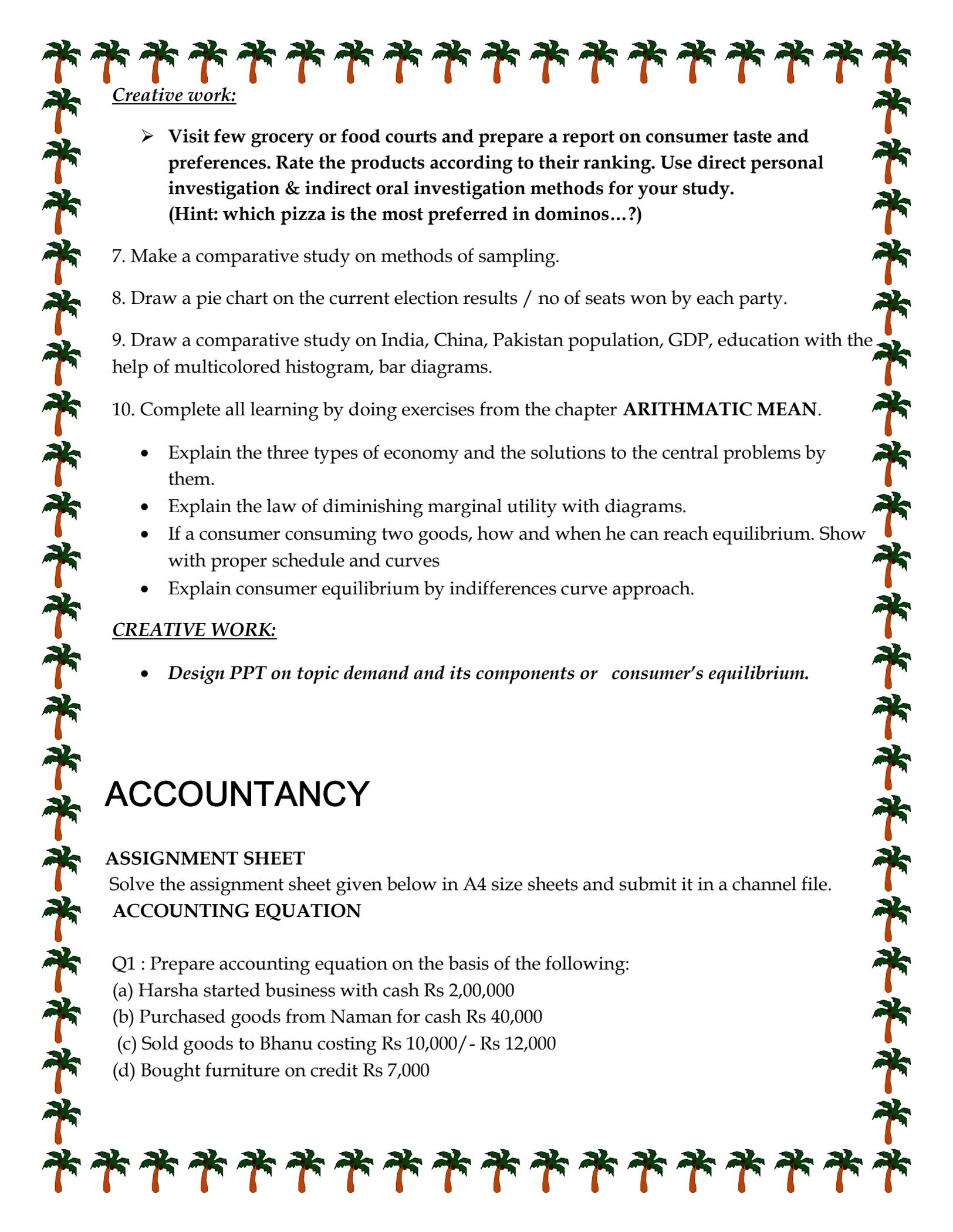
## Business Studies

1. Prepare a Power point presentation on Chapter-1 (Nature and significance of Business)
2. Do case study of Nature and significance of business. Discuss in the class.

## Economics

### Statistics:

1. Prepare a Questionnaire based on consumer items like mobile phones, laptops, bikes, networking companies, magazines, pen, online shopping etc.
2. Divide the Questionnaire in the parts.
  - a. **Personal information.**
  - b. **Product or service information.**
  - c. **Consumer awareness.**
3. Personal information should contain name, gender and age of the informant.
4. Consumer awareness questions should be limited.
5. No. of questions should be between 20-25
6. Explain the scope of statistics.



Creative work:

- Visit few grocery or food courts and prepare a report on consumer taste and preferences. Rate the products according to their ranking. Use direct personal investigation & indirect oral investigation methods for your study.  
(Hint: which pizza is the most preferred in dominos...?)

7. Make a comparative study on methods of sampling.

8. Draw a pie chart on the current election results / no of seats won by each party.

9. Draw a comparative study on India, China, Pakistan population, GDP, education with the help of multicolored histogram, bar diagrams.

10. Complete all learning by doing exercises from the chapter **ARITHMETIC MEAN**.

- Explain the three types of economy and the solutions to the central problems by them.
- Explain the law of diminishing marginal utility with diagrams.
- If a consumer consuming two goods, how and when he can reach equilibrium. Show with proper schedule and curves
- Explain consumer equilibrium by indifference curve approach.

CREATIVE WORK:

- Design PPT on topic demand and its components or consumer's equilibrium.

## ACCOUNTANCY

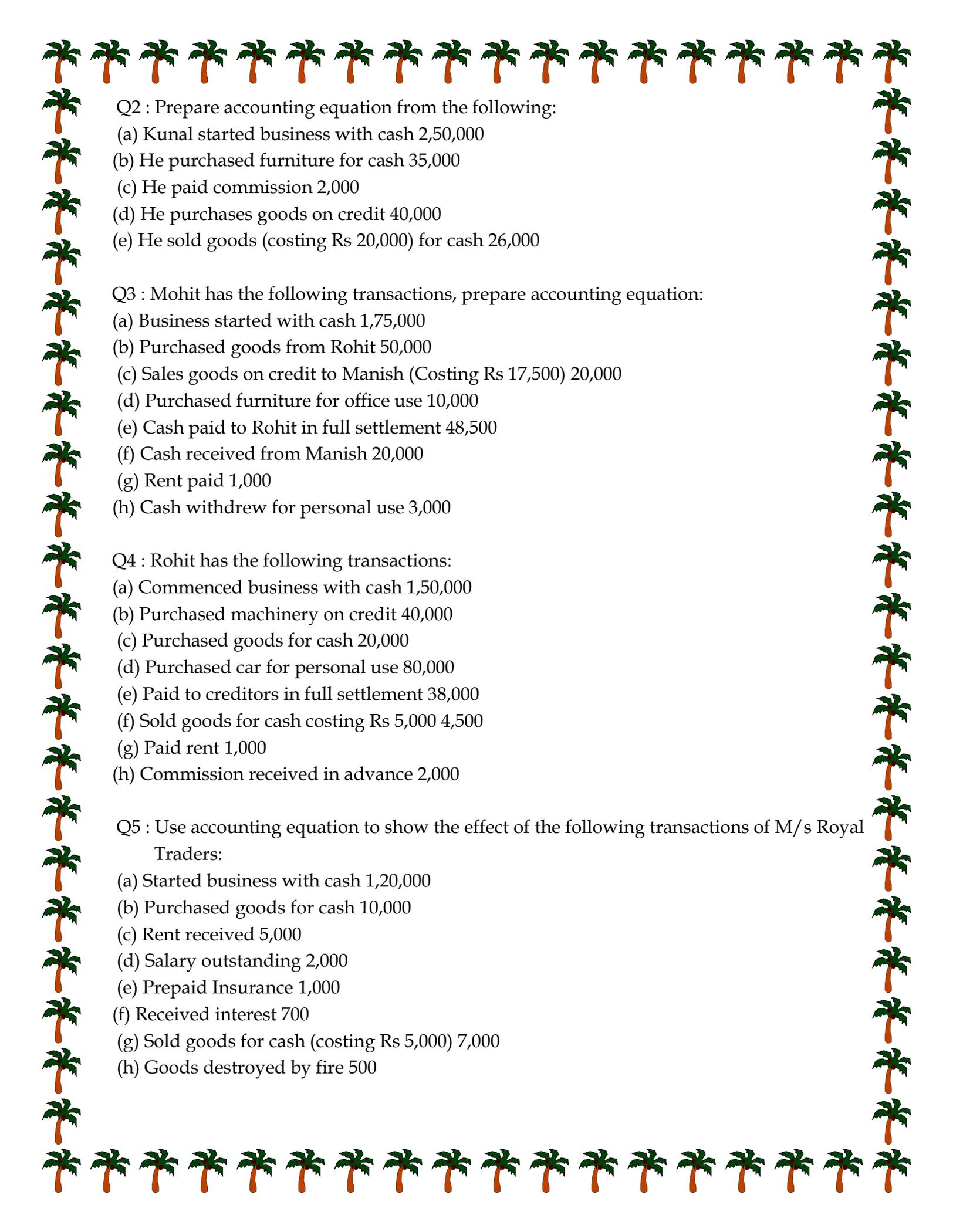
### ASSIGNMENT SHEET

Solve the assignment sheet given below in A4 size sheets and submit it in a channel file.

### ACCOUNTING EQUATION

Q1 : Prepare accounting equation on the basis of the following:

- Harsha started business with cash Rs 2,00,000
- Purchased goods from Naman for cash Rs 40,000
- Sold goods to Bhanu costing Rs 10,000/- Rs 12,000
- Bought furniture on credit Rs 7,000



Q2 : Prepare accounting equation from the following:

- (a) Kunal started business with cash 2,50,000
- (b) He purchased furniture for cash 35,000
- (c) He paid commission 2,000
- (d) He purchases goods on credit 40,000
- (e) He sold goods (costing Rs 20,000) for cash 26,000

Q3 : Mohit has the following transactions, prepare accounting equation:

- (a) Business started with cash 1,75,000
- (b) Purchased goods from Rohit 50,000
- (c) Sales goods on credit to Manish (Costing Rs 17,500) 20,000
- (d) Purchased furniture for office use 10,000
- (e) Cash paid to Rohit in full settlement 48,500
- (f) Cash received from Manish 20,000
- (g) Rent paid 1,000
- (h) Cash withdrew for personal use 3,000

Q4 : Rohit has the following transactions:

- (a) Commenced business with cash 1,50,000
- (b) Purchased machinery on credit 40,000
- (c) Purchased goods for cash 20,000
- (d) Purchased car for personal use 80,000
- (e) Paid to creditors in full settlement 38,000
- (f) Sold goods for cash costing Rs 5,000 4,500
- (g) Paid rent 1,000
- (h) Commission received in advance 2,000

Q5 : Use accounting equation to show the effect of the following transactions of M/s Royal Traders:

- (a) Started business with cash 1,20,000
- (b) Purchased goods for cash 10,000
- (c) Rent received 5,000
- (d) Salary outstanding 2,000
- (e) Prepaid Insurance 1,000
- (f) Received interest 700
- (g) Sold goods for cash (costing Rs 5,000) 7,000
- (h) Goods destroyed by fire 500



Q6 : Show the accounting equation on the basis of the following transaction:

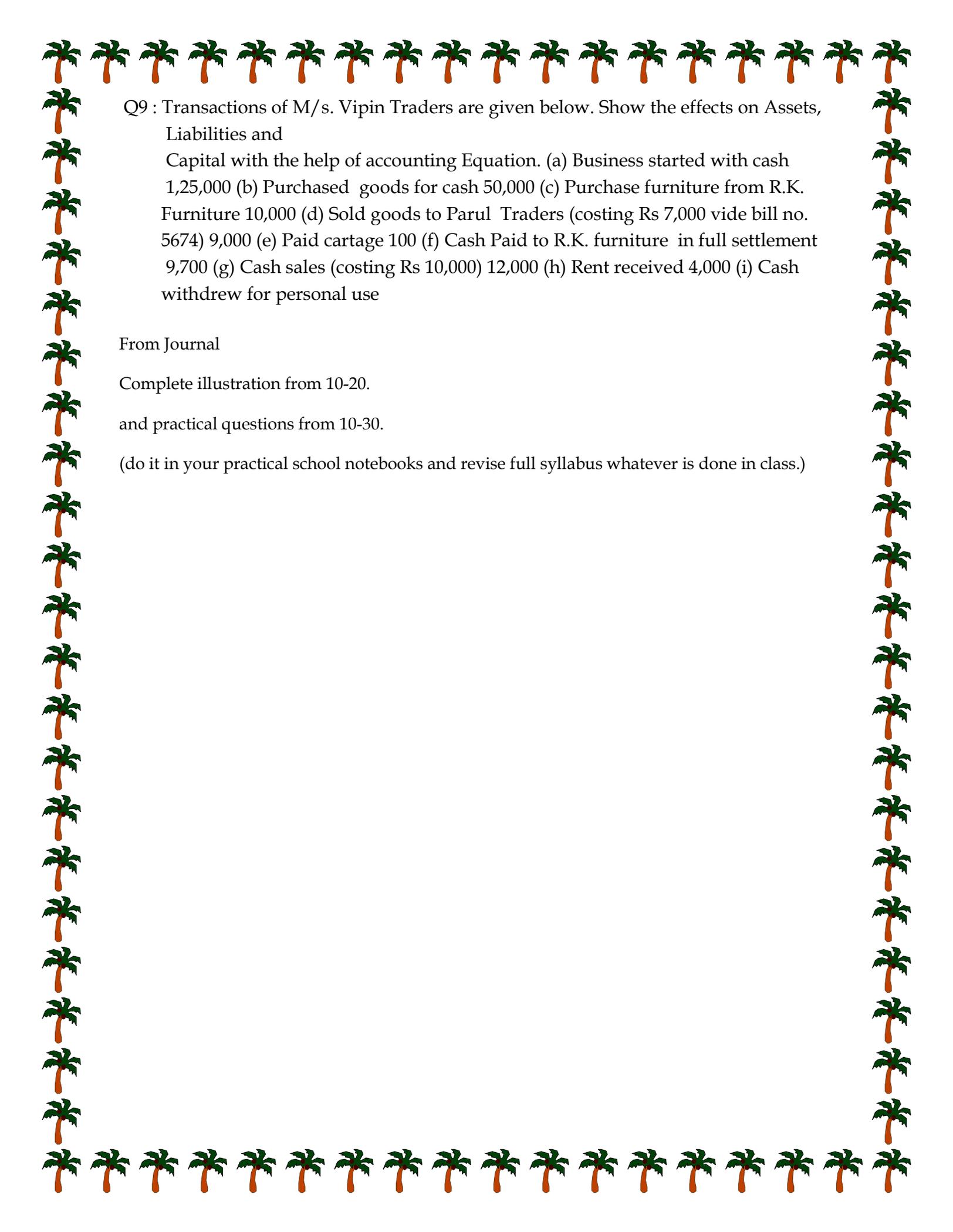
- (a) Udit started business with: (i) Cash (ii) Goods
- (b) Purchased building for cash
- (c) Purchased goods from Himani
- (d) Sold goods to Ashu (Cost Rs 25,000)
- (e) Paid insurance premium
- (f) Rent outstanding
- (g) Depreciation on building
- (h) Cash withdrawn for personal use (i) Rent received in advance (j) Cash paid to Himani on account (k) Cash received from Ashu

Q-7 : Show the effect of the following transactions on Assets, Liabilities and Capital through accounting equation: (a) Started business with cash

- (b) Rent received
- (c) Invested in shares
- (d) Received dividend
- (e) Purchase goods on credit from Ragani
- (f) Paid cash for house hold Expenses
- (g) Sold goods for cash (costing Rs 10,000)
- (h) Cash paid to Ragani Deposited into bank

Q8 : Show the effect of following transaction on the accounting equation

- (a) Manoj started business with (i) Cash 2,30,000 (ii) Goods 1,00,000 (iii) Building 2,00,000
- (b) He purchased goods for cash 50,000
- (c) He sold goods(costing Rs 20,000) 35,000
- (d) He purchased goods from Rahul 55,000
- (e) He sold goods to Varun (Costing Rs 52,000) 60,000
- (f) He paid cash to Rahul in full settlement 53,000
- (g) Salary paid by him 20,000
- (h) Received cash from Varun in full settlement 59,000
- (i) Rent outstanding 3,000
- (j) Prepaid Insurance 2,000
- (k) Commission received by him 13,000
- (l) Amount withdrawn by him for personal use 20,000
- (m) Depreciation charge on building 10,000
- (n) Fresh capital invested 50,000
- (o) Purchased goods from Rakhi 6,000



Q9 : Transactions of M/s. Vipin Traders are given below. Show the effects on Assets, Liabilities and Capital with the help of accounting Equation. (a) Business started with cash 1,25,000 (b) Purchased goods for cash 50,000 (c) Purchase furniture from R.K. Furniture 10,000 (d) Sold goods to Parul Traders (costing Rs 7,000 vide bill no. 5674) 9,000 (e) Paid cartage 100 (f) Cash Paid to R.K. furniture in full settlement 9,700 (g) Cash sales (costing Rs 10,000) 12,000 (h) Rent received 4,000 (i) Cash withdrew for personal use

From Journal

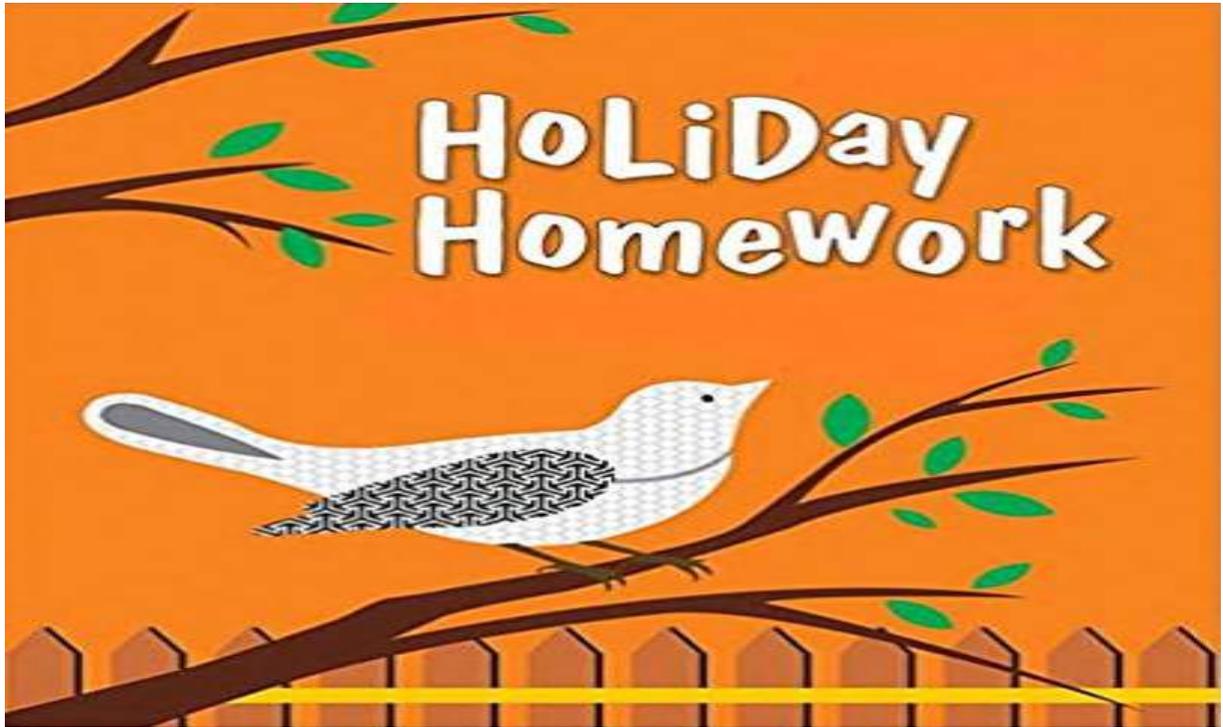
Complete illustration from 10-20.

and practical questions from 10-30.

(do it in your practical school notebooks and revise full syllabus whatever is done in class.)



ROYAL OAK INTERNATIONAL SCHOOL  
SR. SEC. CBSE AFFILIATED  
HOLIDAY HOME WORK (SESSION 2019-20)  
Class - XII

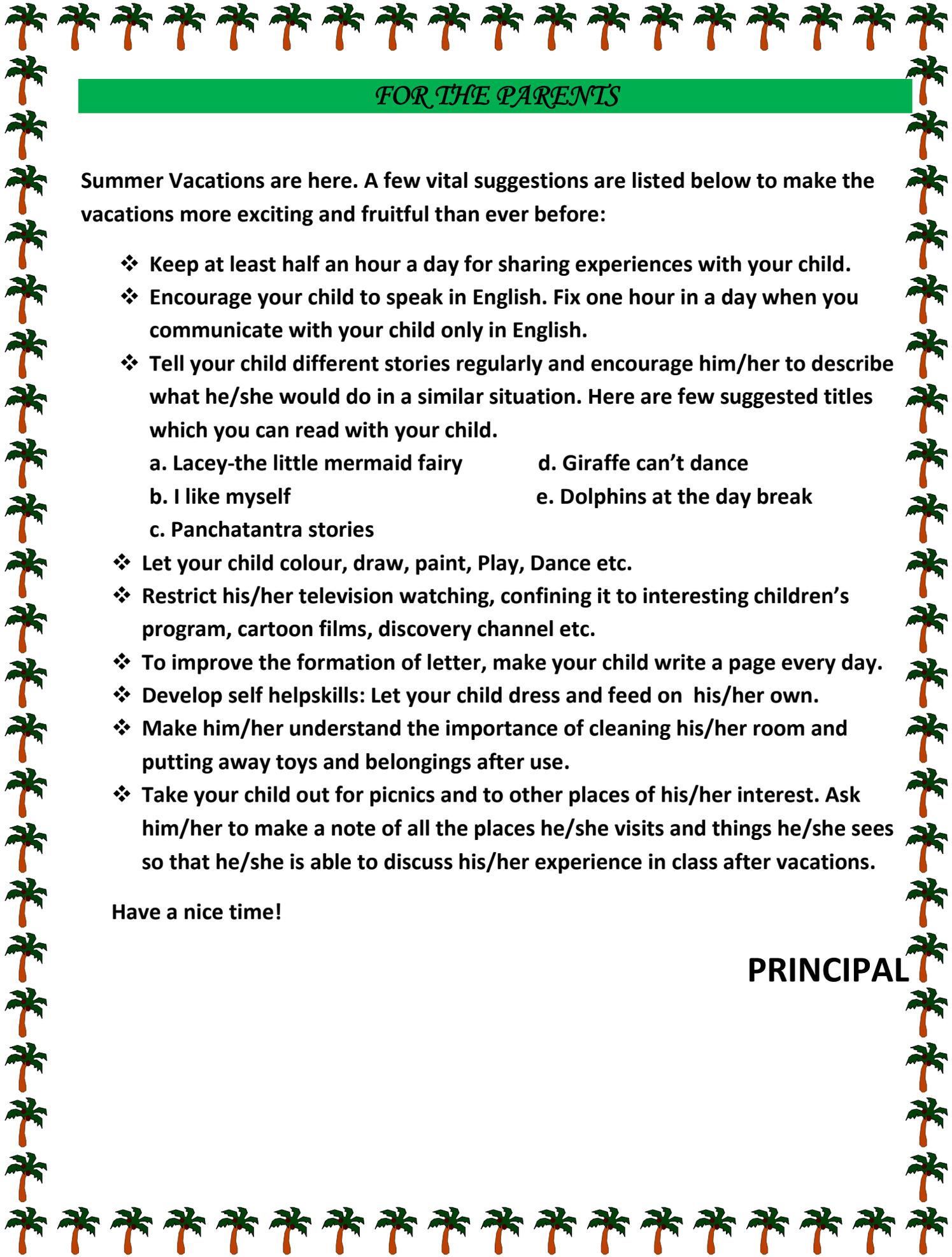


Please note the following:

- HHW of 5 marks will be added as a subject enrichment activity marks in Term I, hence submission of work post summer vacation is compulsory for all the students.
- Schedule for the Submission of HHW for all classes is as follows:

English	:	3/07/2019
Hindi	:	4/07/2019
Math	:	5/07/2019
Science	:	8/07/2019
Social Studies	:	9/07/2019
- Submission dates for Computer will be in the 2<sup>nd</sup> week of July.

Wishing you all a very fruitful and enjoyable vacations. **HAPPY HOLIDAYS!**



## FOR THE PARENTS

Summer Vacations are here. A few vital suggestions are listed below to make the vacations more exciting and fruitful than ever before:

- ❖ Keep at least half an hour a day for sharing experiences with your child.
- ❖ Encourage your child to speak in English. Fix one hour in a day when you communicate with your child only in English.
- ❖ Tell your child different stories regularly and encourage him/her to describe what he/she would do in a similar situation. Here are few suggested titles which you can read with your child.
  - a. Lacey-the little mermaid fairy
  - b. I like myself
  - c. Panchatantra stories
  - d. Giraffe can't dance
  - e. Dolphins at the day break
- ❖ Let your child colour, draw, paint, Play, Dance etc.
- ❖ Restrict his/her television watching, confining it to interesting children's program, cartoon films, discovery channel etc.
- ❖ To improve the formation of letter, make your child write a page every day.
- ❖ Develop self helpskills: Let your child dress and feed on his/her own.
- ❖ Make him/her understand the importance of cleaning his/her room and putting away toys and belongings after use.
- ❖ Take your child out for picnics and to other places of his/her interest. Ask him/her to make a note of all the places he/she visits and things he/she sees so that he/she is able to discuss his/her experience in class after vacations.

Have a nice time!

**PRINCIPAL**

# English

1. Read all the lessons and poems done in the class of both of the text books thoroughly.
2. You have realized the necessity of education and financial independence of women for their family, society and in turn for the nation. Write a letter to the editor, The National Times, highlighting your ideas on the importance of education of women leading to a better status for them. You are Tarun/Taruna B-7/9, Mall Road Delhi.
3. Debate—for/against –“Private cars should be banned in the congested commercial areas of the cities”
4. Speech : Your PGT English Ms Geetha is a short story writer also. ‘Sky is not Far’ is a collection of her latest short stories. This book won a national award. Write a speech that you will deliver in her honour in the morning assembly in 150-200 words.
5. Cultural Society Sunshine Public School, Nellore organized an Adult Literacy Camp in its neighbourhood. Write a report in 120 words on the camp for your school newsletter. You are PV Sunitha, Secretary.
6. Hard Work and Punctuality are essential for a happy and successful life. They help in meeting the desired targets of life. You are Kavya/Kanha. Write an article in 150-200 words highlighting the importance of hard work and punctuality in a student’s life.

कक्षा—बारहवीं

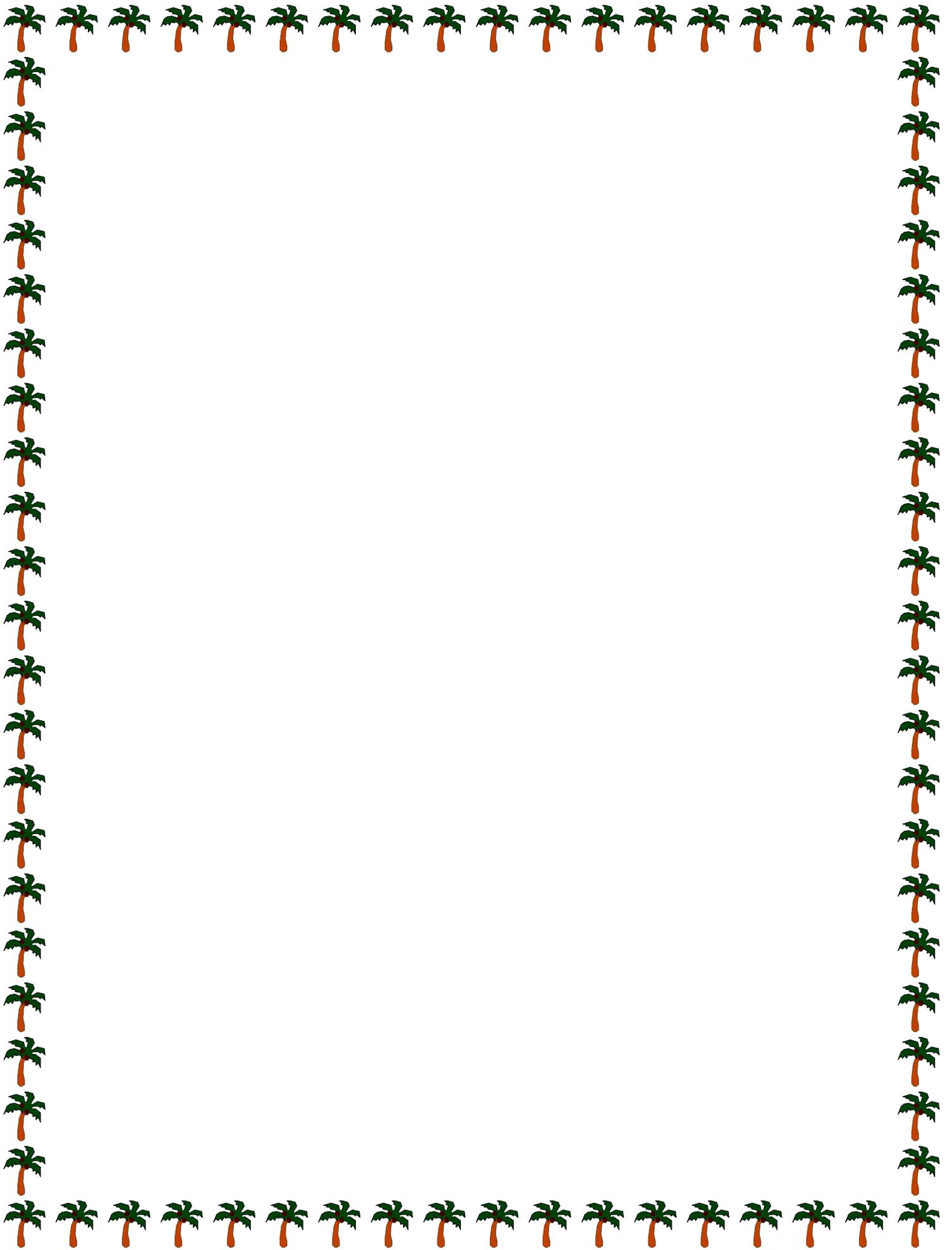
1. निम्नलिखित कवियों की में से किन्हीं तीन कवियों का जीवन परिचय , उनकी काव्य रचनाएँ तथा उनकी कोई प्रसिद्ध कविताएँ सफेद ए-4 शीट पर सुंदर हस्त लिपि में चित्र सहित लिख कर एक फाइल तैयार कीजिए ।

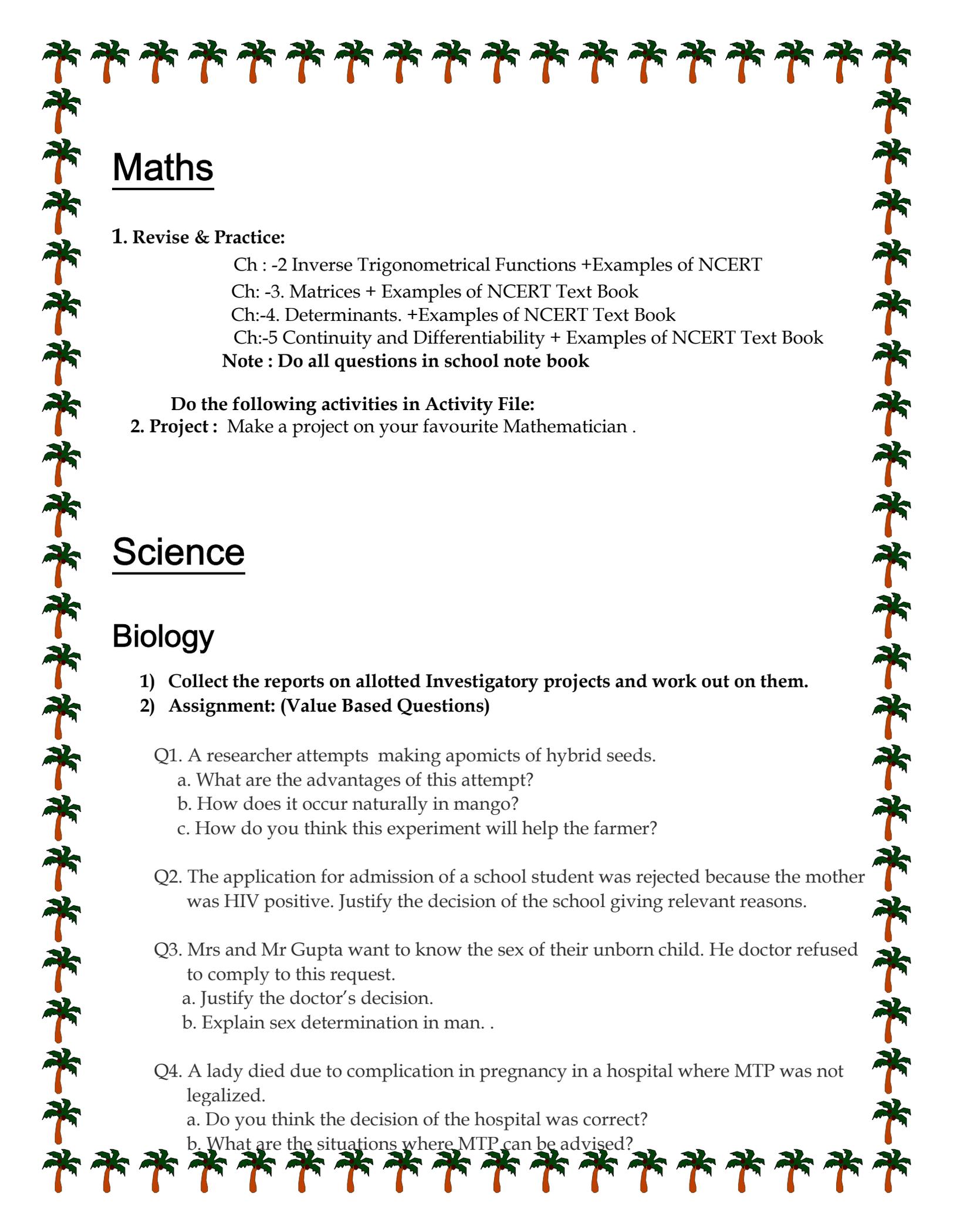
कालिदास ,रसखान , जयशंकरप्रसाद , अयोध्या सिंह उपाध्याय ‘हरिऔध’ , मीराबाई

2. निम्नलिखितमें से किन्हीं तीन लेखकों का जीवन परिचय , उनकी रचना एक हानी, नाटक संस्मरण तथा लेख की समीक्षा सफेद ए-4 शीट पर सुंदर हस्त लिपि में लिख कर चित्र सहित एक फाइल तैयार कीजिए ।

आचार्य रामचंद्र शुक्ल , धर्मवीर भारती , प्रेमचंद्र , कमलेश्वर , गजानन माधवमुक्तिबोध

3. वितान पुस्तक सेपाठ-1 , 2 कम से कम दो-दो बार पढ़िए तथा मुख्य पात्रों के चरित्र चित्रण तैयार कीजिए ।





# Maths

## 1. Revise & Practice:

Ch : -2 Inverse Trigonometrical Functions +Examples of NCERT

Ch: -3. Matrices + Examples of NCERT Text Book

Ch:-4. Determinants. +Examples of NCERT Text Book

Ch:-5 Continuity and Differentiability + Examples of NCERT Text Book

**Note : Do all questions in school note book**

**Do the following activities in Activity File:**

**2. Project :** Make a project on your favourite Mathematician .

# Science

## Biology

- 1) **Collect the reports on allotted Investigatory projects and work out on them.**
- 2) **Assignment: (Value Based Questions)**

Q1. A researcher attempts making apomicts of hybrid seeds.

- a. What are the advantages of this attempt?
- b. How does it occur naturally in mango?
- c. How do you think this experiment will help the farmer?

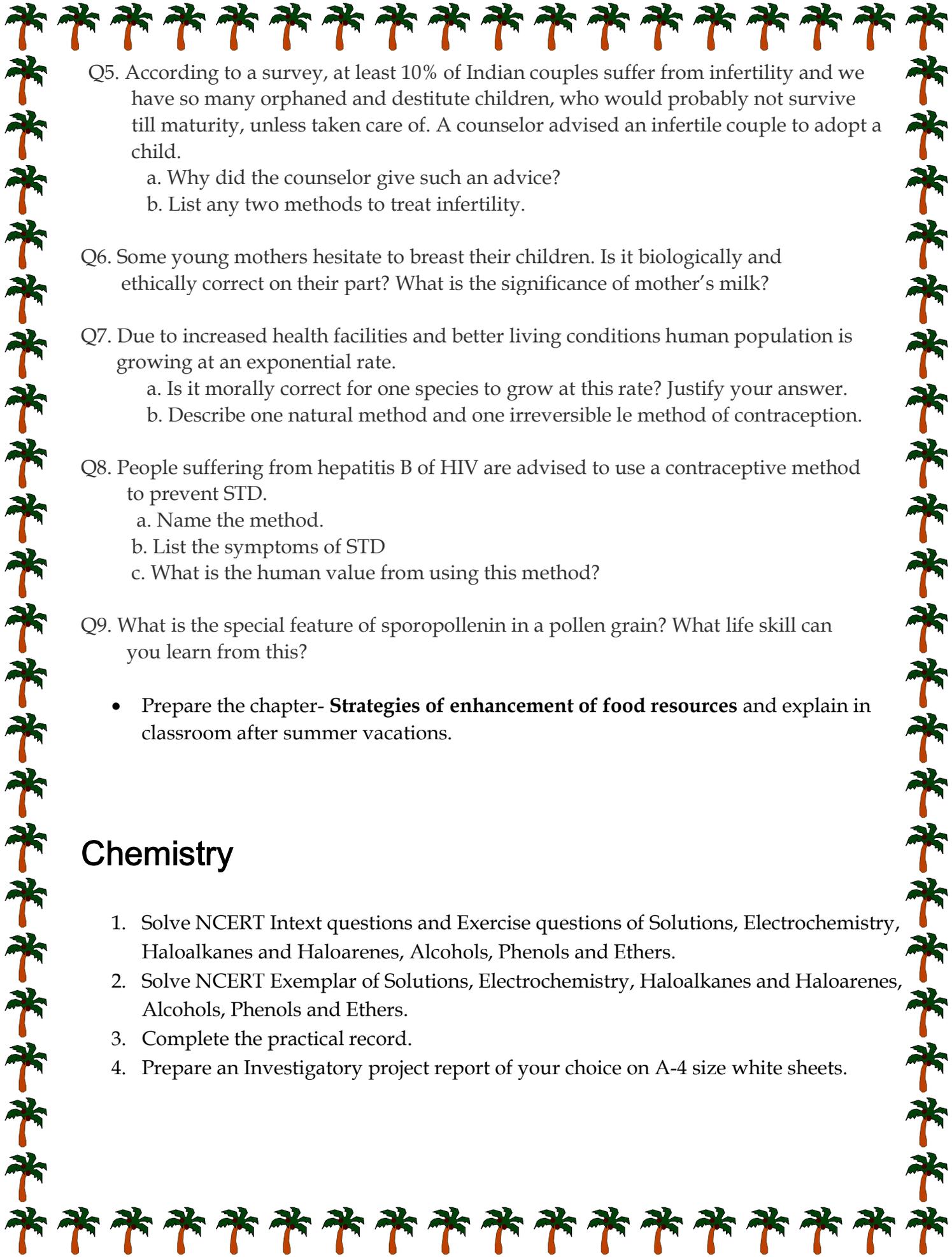
Q2. The application for admission of a school student was rejected because the mother was HIV positive. Justify the decision of the school giving relevant reasons.

Q3. Mrs and Mr Gupta want to know the sex of their unborn child. He doctor refused to comply to this request.

- a. Justify the doctor's decision.
- b. Explain sex determination in man. .

Q4. A lady died due to complication in pregnancy in a hospital where MTP was not legalized.

- a. Do you think the decision of the hospital was correct?
- b. What are the situations where MTP can be advised?

- 
- Q5. According to a survey, at least 10% of Indian couples suffer from infertility and we have so many orphaned and destitute children, who would probably not survive till maturity, unless taken care of. A counselor advised an infertile couple to adopt a child.
- Why did the counselor give such an advice?
  - List any two methods to treat infertility.
- Q6. Some young mothers hesitate to breast their children. Is it biologically and ethically correct on their part? What is the significance of mother's milk?
- Q7. Due to increased health facilities and better living conditions human population is growing at an exponential rate.
- Is it morally correct for one species to grow at this rate? Justify your answer.
  - Describe one natural method and one irreversible le method of contraception.
- Q8. People suffering from hepatitis B of HIV are advised to use a contraceptive method to prevent STD.
- Name the method.
  - List the symptoms of STD
  - What is the human value from using this method?
- Q9. What is the special feature of sporopollenin in a pollen grain? What life skill can you learn from this?
- Prepare the chapter- **Strategies of enhancement of food resources** and explain in classroom after summer vacations.

## Chemistry

- Solve NCERT Intext questions and Exercise questions of Solutions, Electrochemistry, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers.
- Solve NCERT Exemplar of Solutions, Electrochemistry, Haloalkanes and Haloarenes, Alcohols, Phenols and Ethers.
- Complete the practical record.
- Prepare an Investigatory project report of your choice on A-4 size white sheets.



## Physics:-

- **Make a Project Report**
- **Make your Activity file (3 activity from section A & 3 from section B)**
- **Complete three practical in your practical file**
- **Do the assignment given in class of 1<sup>st</sup> two unit.**

## POLITICAL SCIENCE

### 1. Project Work : Understanding Globalization

Project Objective: The Purpose of this project is to give students a basic understanding of what is meant by the phenomenon of globalization, its source and forms. In addition, students will obtain a familiarity with both key global actors and certain urgent problems that requires solutions and global level.

Students have to prepare a Project file containing the following topics from different resources . They can use cartoons, diagrams, graphs, pictures etc.

#### 1. Globalization

- a) What is it?
- b) Economic, Political, Technological and Cultural Dimensions

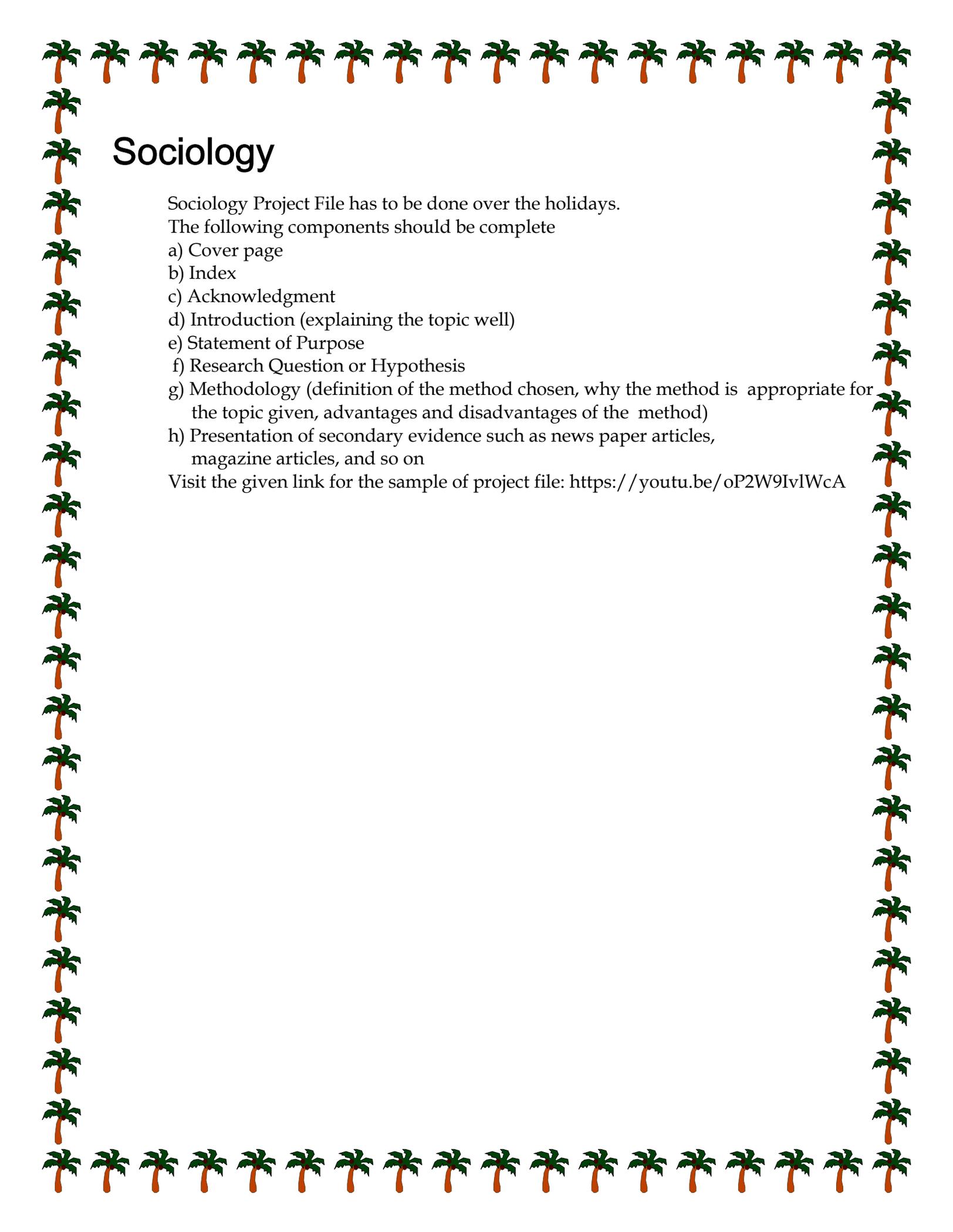
#### 2. Contemporary World Actors :

- a) United Nations
- b) World Trade Organisation (WTO)
- c) Group of 77 Countries (G-77)

#### 3. Contemporary World Issues:

- a) Global Environmental Issues (Global Warming, Bio-diversity, Resource Scarcities)
- b) Poverty and Inequality
- c) International Terrorism

#### 2. Learn the syllabus done in the class.

A decorative border of palm trees surrounds the text. The border consists of a top row of 18 palm trees, a bottom row of 18 palm trees, and two vertical columns of 18 palm trees each on the left and right sides.

# Sociology

Sociology Project File has to be done over the holidays.

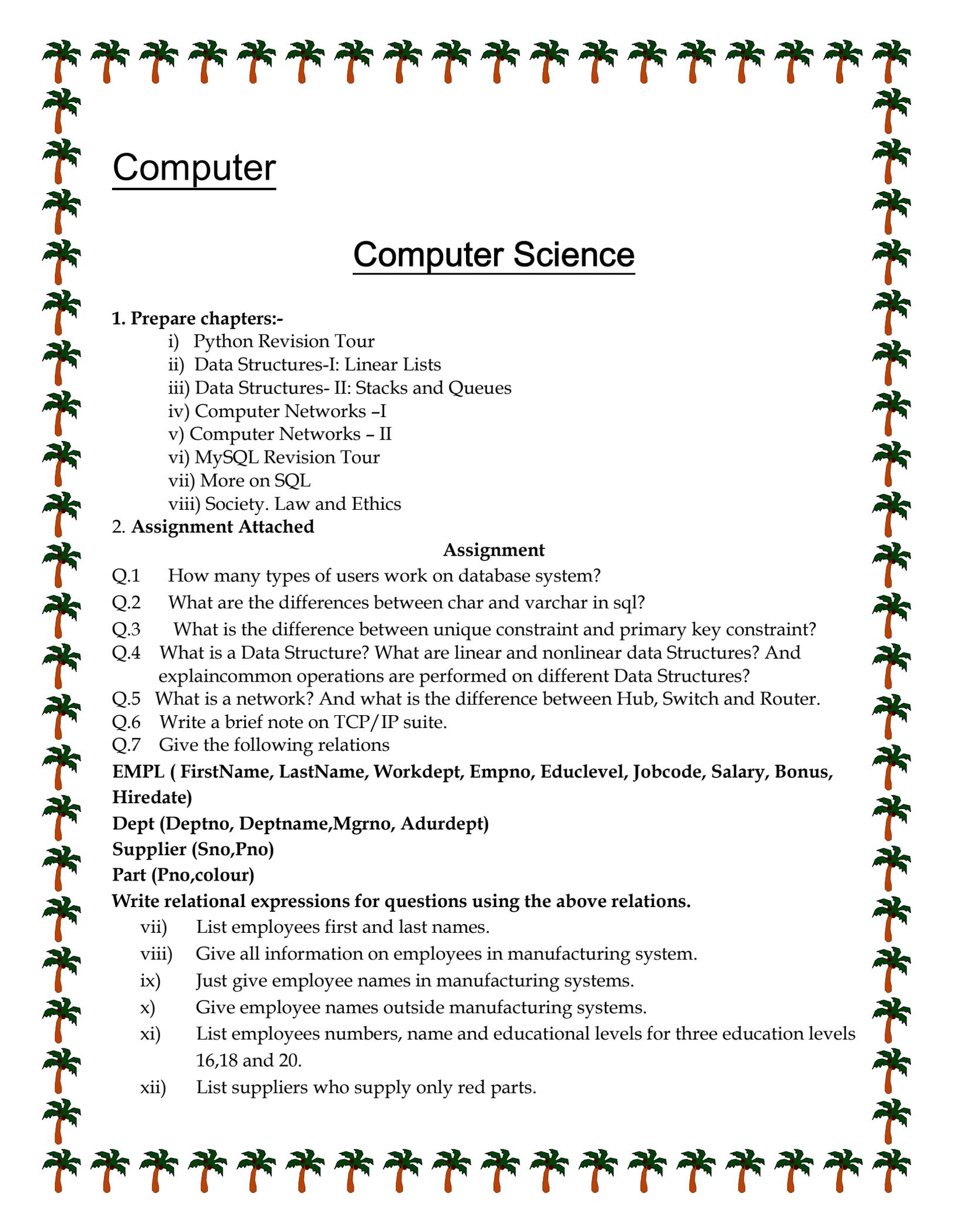
The following components should be complete

- a) Cover page
- b) Index
- c) Acknowledgment
- d) Introduction (explaining the topic well)
- e) Statement of Purpose
- f) Research Question or Hypothesis
- g) Methodology (definition of the method chosen, why the method is appropriate for the topic given, advantages and disadvantages of the method)
- h) Presentation of secondary evidence such as news paper articles, magazine articles, and so on

Visit the given link for the sample of project file: <https://youtu.be/oP2W9IvIWcA>

## Topics for Project Work of Sociology

Roll No.	Topic	Roll No.	Topic	Roll No.	Topic
	Women – Balance between Work and Family	1.	Benefits of Car pooling	6.	Benefits of Car pooling
2.	Public vs. Private Education		Social Networking in the New Millennium		Social Networking in the New Millennium
	Crime – A Result of the Absence of Education		The Rise of “Organic” Farming	15.	The Rise of “Organic” Farming
7.	Social Media and cyber - crime		Media influences and Crime		Women – Balance between Work and Family
	Current issues in the Education System	12.	Sports as a part of schooling: Good or Bad?		The Rise of “Organic” Farming
15.	Liberal Lifestyle vs. conservative one		Influence of sports on culture and society	10.	Media influences and Crime
4.	The life of disabled people in India		Discipline and safety in Educational Institutions		Sports as a part of schooling: Good or Bad?
11.	Domestic Violence	18.	Environmental Pollution and Industrialization		Influence of sports on culture and society
3.	Sports and politics		Female Foeticide and infanticide		Environmental Pollution and Industrialization
9.	Media influences and Crime	14.	Increase Alcohol and drug abuse amongst teenagers	8.	Female Foeticide and infanticide
5.	Discipline and safety in Educational institutions		Current Issues in the Education System		Increase Alcohol and drug abuse amongst teenagers
	Social Networking in the New Millennium		Public vs. Private Education		Domestic Violence
					Sports and politics



# Computer

## Computer Science

### 1. Prepare chapters:-

- i) Python Revision Tour
- ii) Data Structures-I: Linear Lists
- iii) Data Structures- II: Stacks and Queues
- iv) Computer Networks -I
- v) Computer Networks - II
- vi) MySQL Revision Tour
- vii) More on SQL
- viii) Society. Law and Ethics

### 2. Assignment Attached

#### Assignment

- Q.1 How many types of users work on database system?
- Q.2 What are the differences between char and varchar in sql?
- Q.3 What is the difference between unique constraint and primary key constraint?
- Q.4 What is a Data Structure? What are linear and nonlinear data Structures? And explain common operations are performed on different Data Structures?
- Q.5 What is a network? And what is the difference between Hub, Switch and Router.
- Q.6 Write a brief note on TCP/IP suite.
- Q.7 Give the following relations

**EMPL ( FirstName, LastName, Workdept, Empno, Educlevel, Jobcode, Salary, Bonus, Hiredate)**

**Dept (Deptno, Deptname,Mgrno, Adurdept)**

**Supplier (Sno,Pno)**

**Part (Pno,colour)**

**Write relational expressions for questions using the above relations.**

- vii) List employees first and last names.
- viii) Give all information on employees in manufacturing system.
- ix) Just give employee names in manufacturing systems.
- x) Give employee names outside manufacturing systems.
- xi) List employees numbers, name and educational levels for three education levels 16,18 and 20.
- xii) List suppliers who supply only red parts.

Q.8 Consider the following tables STOCK and DEALERS and answer (b1) and (b2) parts of this question:

**Table: STOCK**

ItemNo	Item	Dcode	Qty	UnitPrice	StockDate
5005	Ball Pen 0.5	102	100	16	31-Mar-10
5003	Ball Pen 0.25	102	150	20	01-Jan-10
5002	Gel Pen Premium	101	125	14	14-Feb-10
5006	Gel Pen Classic	101	200	22	01-Jan-09
5001	Eraser Small	102	210	5	19-Mar-09
5004	Eraser Big	102	60	10	12-Dec-09
5009	Sharpener Classic	103	160	8	23-Jan-09

**Table: DEALERS**

Dcode	Dname
101	Reliable Stationers
103	Classic Plastics
102	Clear Deals

**Write SQL commands for the following statements:**

- To display details of all Items in the Stock table in ascending order of StockDate
- To display ItemNo and Item name of those items from Stock table whose UnitPrice is more than Rupees 10.
- To display the details of those items whose dealer code (Dcode) is 102 or Quantity in Stock (Qty) is more than 100 from the table Stock.
- To display Maximum UnitPrice of items for each dealer individually as per Dcode from the table Stock.
- Give the output of the following SQL queries:
- SELECT COUNT(DISTINCT Dcode) FROM Stock;
- SELECT Qty\*UnitPrice FROM Stock WHERE ItemNo=5006;
- SELECT Item, Dname FROM Stock S, Dealers D WHERE S.Dcode=D.Dcode AND ItemNo=5004;.
- SELECT MIN(StockDate) FROM Stock;

Q.9 Consider the following tables Consignor, Consignee and Consignment. Write SQL commands for the statements (i) to (iv) and give the outputs for SQL queries (v) to (viii).

Sender

SenderID	SenderName	SenderAddress	City
ND01	R Jain	2, ABC Appts	New Delhi
MU02	H Sinha	12, Newtown	Mumbai
MU15	S Jha	27/A, Park Street	Mumbai
ND50	T Prasad	122 – K, SDA	New Delhi

Recipient

RecID	SenderID	RecName	RecAddress	RecCity
KO05	ND01	R Bajpayee	5, Central Avenue	Kolkata
ND08	MU02	S Mahajan	116, A Vihar	New Delhi
MU19	ND01	H Singh	2A, Andheri East	Mumbai
MU32	MU15	P K Swamy	35, C S Terminus	Mumbai
ND48	ND50	S Tripathi	13, B D, Mayur Vihar	New Delhi

**Write SQL commands for the following statements:**

- To display the names of all Senders from Mumbai.
- To display the RecID, Sendername, SenderAddress, RecName, RecAddress for every Recipient.
- To display Recipient details in ascending order of RecName.
- To display number of Recipients from each city.
- Give the output of the following SQL queries:

- SELECT DISTINCT SenderCity from Sender;
- SELECT A.SenderName, B.RecName From Sender A, Recipient B  
Where A.SenderID = B.SenderID AND B.RecCity = 'Mumbai';
- SELECT RecName, RecAddressFrom Recipient  
Where RecCity NOT IN ('Mumbai', 'Kolkata');
- SELECT RecID, RecName FROM Recipient  
Where SenderID='MU02' or SenderID='ND50';

Q.10The Doc column of a table of a table Hospital is given below:

Doc
Avinash
Hariharam
Vinayak
Deepak
Sanjeev

Based on the information, find the output of the following queries

- SELECT Doc from Hospital where doc like"%v";
- SELECT Doc from Hospital where doc like"%e%";

# Information Practices

## 1. Prepare chapters:-

- i) Myql (Revision Tour)
- ii) More on SQL
- iii) Society, Law and Ethics
- iv) Python Revision Tour I
- v) Python Revision Tour II
- vi) Software processes
- vii) Process activities

## 2. Assignment Attached

- ❖ Q.1 to Q.8 (hard copy)
- ❖ Q.9 to Q.11 (send it on [computerholidayhomework@gmail.com](mailto:computerholidayhomework@gmail.com))

### Assignment

- Q.1 Why is primary goal of software development now shifting from producing good quality software to good quality maintainablesoftware?
- Q.2 What is software engineering? Is it an art, craft or a science?Discuss.
- Q.3 What do you understand by Primary Key? Give a suitable example of Primary Key from a table containing some meaningful data.
- Q.4 What is a module, package and a library.
- Q.5 What do you understand by the terms **Primary Key** and **Degree and cardinality of a relation** in Relational database?
- Q.6 What is the significance of having functions in a program?
- Q.7 What is Online fraud? Give some example.
- Q.8 What is digital property? What are the threats to digital properties?
- Q.9 Consider the following tables STOCK and DEALERS and answer (b1) and (b2) parts of this question:

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**Write SQL commands for the following statements:**

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- To display the details of those items whose dealer code (Dcode) is 102 or Quantity in Stock (Qty) is more than 100 from the table Stock.
- Give the output of the following SQL queries:
- SELECT COUNT(DISTINCT Dcode) FROM Stock;
- SELECT Qty\*UnitPrice FROM Stock WHERE ItemNo=5006;
- SELECT Item, Dname FROM Stock S, Dealers D WHERE S.Dcode=D.Dcode AND ItemNo=5004;

Q.10 Consider the following tables Consignor, Consignee and Consignment. Write SQL commands for the statements (i) to (iv) and give the outputs for SQL queries (v) to (viii).

**Sender**

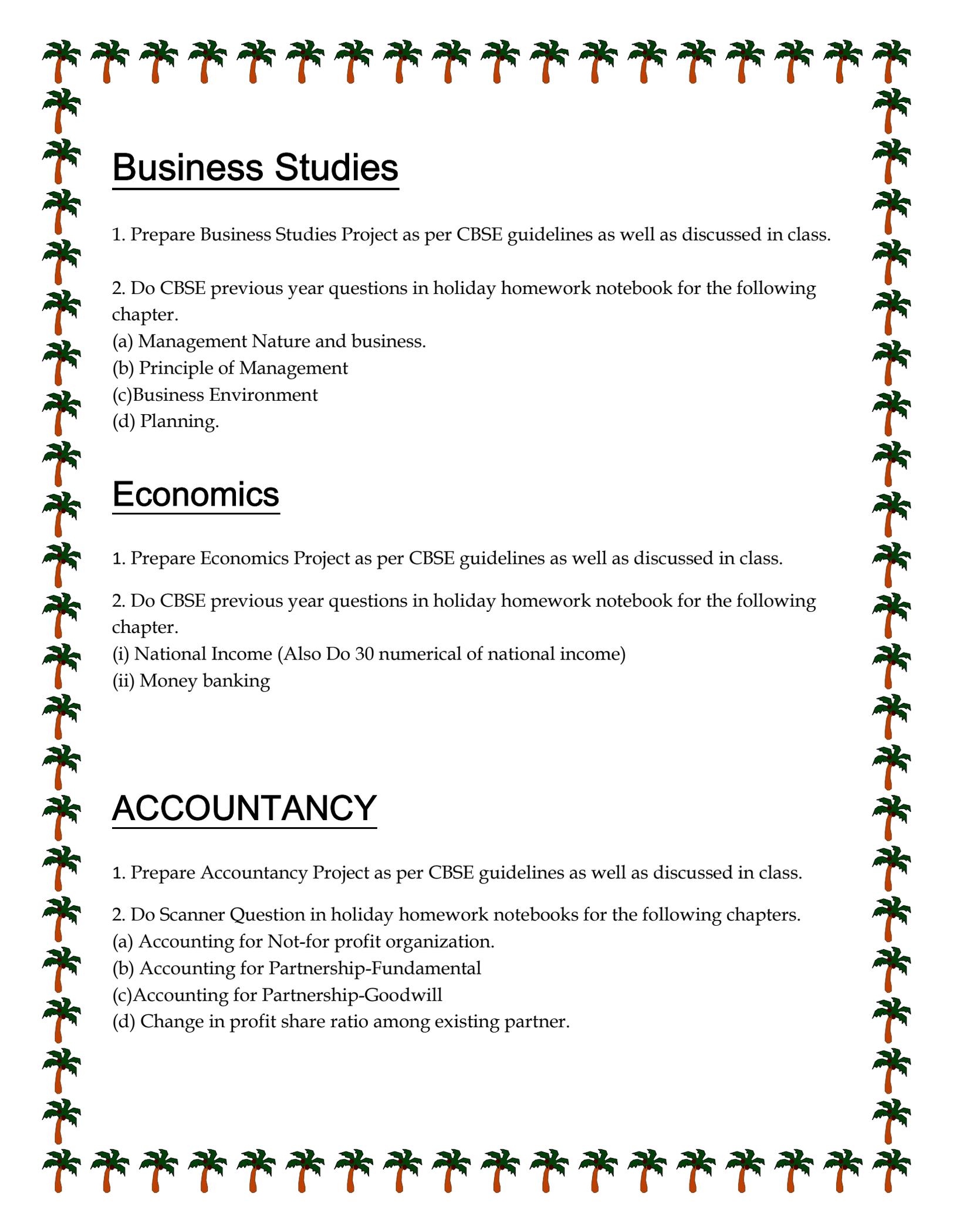
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MU32	MU15	P K Swamy	B5, G S Terminus	Mumbai
ND48	ND50	S Tripathi	13, Bl D, Mayur Vihar	New Delhi

**Write SQL commands for the following statements:**

1. To display the names of all Senders from Mumbai.
2. To display the RecID, Sendername, SenderAddress, RecName, RecAddress for every Recipient.
3. To display Recipient details in ascending order of RecName.
5. Give the output of the following SQL queries:
  - (1) SELECT DISTINCT SenderCity from Sender;
  - (2) SELECT A.SenderName, B.RecName From Sender A, Recipient B  
Where A.SenderID = B.SenderID AND B.RecCity ='Mumbai';
  - (3) SELECT RecName, RecAddressFrom Recipient  
Where RecCity NOT IN ('Mumbai', 'Kolkata');



## Business Studies

1. Prepare Business Studies Project as per CBSE guidelines as well as discussed in class.
2. Do CBSE previous year questions in holiday homework notebook for the following chapter.
  - (a) Management Nature and business.
  - (b) Principle of Management
  - (c) Business Environment
  - (d) Planning.

## Economics

1. Prepare Economics Project as per CBSE guidelines as well as discussed in class.
2. Do CBSE previous year questions in holiday homework notebook for the following chapter.
  - (i) National Income (Also Do 30 numerical of national income)
  - (ii) Money banking

## ACCOUNTANCY

1. Prepare Accountancy Project as per CBSE guidelines as well as discussed in class.
2. Do Scanner Question in holiday homework notebooks for the following chapters.
  - (a) Accounting for Not-for profit organization.
  - (b) Accounting for Partnership-Fundamental
  - (c) Accounting for Partnership-Goodwill
  - (d) Change in profit share ratio among existing partner.