

SUBJECT	CLASS -1	SUMMER VACATION HOLIDAY HOMEWORK SESSION-2018-19
ENGLISH		<ol style="list-style-type: none"> <li>List 5 new words with their meaning and make a sentence.</li> <li>Do 5 page cursive writing in your notebook,</li> <li>Learn the poem " Put on a Smiling face "</li> <li>Learn a short story based on moral values.</li> </ol>
HINDI		<ol style="list-style-type: none"> <li>पाँच नए शब्द-अर्थ लिखें तथा उन पर एक - एक वाक्य बनाए ।</li> <li>"बादल आ गया" कविता याद करे ।</li> <li>पाँच पृष्ठ सुलेख हिन्दी कॉपी में लिख कर लाये ।</li> <li>नैतिक मूल्यों पर आधारित एक लघु कहानी याद करें ।</li> </ol>
MATHS		<ol style="list-style-type: none"> <li>Learn Table from 2 to 5.</li> <li>Illustrate table of 3 in four different ways.</li> </ol>
EVS		<ol style="list-style-type: none"> <li>Plant few seeds, observe its growth and take pictures, paste it on a scrap book.</li> <li>Feed pet animals and birds, take pictures and paste it on scrap book.</li> <li>Write 5 sentences on ' Our environment'.</li> </ol>
COMPUTER		<ol style="list-style-type: none"> <li>Paste 5 pictures of man made machines in your notebook on plain page and label it.</li> <li>Paste 5 pictures of natural things in your notebook on plain page and label it.</li> </ol>

SUBJECT	CLASS -2	SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19
ENGLISH		<ol style="list-style-type: none"> <li>List 5 new words with their meaning and make a sentence using each word.</li> <li>Do 5 page cursive writing in your notebook.</li> <li>Learn the poem " Prayer "</li> <li>Learn a short story based on moral values.</li> </ol>
HINDI		<ol style="list-style-type: none"> <li>पाँच नए शब्द-अर्थ लिखें तथा उन पर एक - एक वाक्य बनाए ।</li> <li>" गुब्बारे " कविता याद करे ।</li> <li>पाँच पृष्ठ सुलेख हिन्दी कॉपी में लिख कर लाये ।</li> <li>नैतिक मूल्यों पर आधारित एक लघु कहानी याद करें ।</li> </ol>
MATHS		<ol style="list-style-type: none"> <li>Learn Table 2 to 7.</li> <li>Illustrate table of 4 in four different ways.</li> </ol>
EVS		<ol style="list-style-type: none"> <li>Plant few seeds, observe its growth and take pictures, paste it on a scrap book.</li> <li>Feed pet animals and birds, take pictures and paste it on scrap book.</li> <li>Design a poster to spread awareness on – ' Save tree'</li> </ol>
COMPUTER		<ul style="list-style-type: none"> <li>Cut the 'various types of computer and different parts of a computer' pictures (10-12 in sticker size) from the newspaper or magazines and Paste them in your computer Notebook on plain page and label it.</li> </ul>

SUBJECT	CLASS -3	SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19
ENGLISH		<ol style="list-style-type: none"> <li>List 5 new words with their meaning and make a sentence using each word .</li> <li>Do 5 page cursive writing in your notebook,</li> <li>Learn the poem " I come last in the race "</li> <li>Learn a short story based on moral values.</li> </ol>
HINDI		<ol style="list-style-type: none"> <li>पाँच नए शब्द-अर्थ लिखें तथा उन पर एक - एक वाक्य बनाए ।</li> <li>" कैसे चलेगी" कविता याद करे ।</li> <li>पाँच पृष्ठ सुलेख हिन्दी कॉपी में लिख कर लाये ।</li> <li>नैतिक मूल्यों पर आधारित एक कहानी याद करें ।</li> </ol>
MATHS		<ol style="list-style-type: none"> <li>Learn Table 2 to 9.</li> <li>Illustrate table of 5 in four different ways.</li> </ol>
EVS		<ol style="list-style-type: none"> <li>Plant few seeds, observe its growth and take pictures, paste it on a scrap book.</li> <li>Feed pet animals and birds, take pictures and paste it on scrap book.</li> <li>Design a poster to spread awareness on – ' Say no to plastics'</li> </ol>
COMPUTER		<ul style="list-style-type: none"> <li>Cut the various Input, output &amp; storage devices, pictures (8-12 in sticker size) from newspaper, magazines or search using Internet &amp; take print out, paste them in your computer Notebook on plain page and label it.</li> </ul>

SUBJECT	CLASS - 4	SUMMER VACATION HOLIDAY HOMEWORK SESSION-2018-19
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ENGLISH	1. List 5 new words with their meaning and a sentence using each word in your notebook. 2. Do 5 page cursive writing in your notebook. 3. Learn the poem " Wise " 4. Learn a story based on moral values.
HINDI	1 पाँच नए शब्द-अर्थ लिखें तथा उन पर एक - एक वाक्य बनाए । 2 " मन करता है " कविता याद करे । 3 पंद्रह पृष्ठ सुलेख हिन्दी कॉपी में लिख कर लाये । 4 नैतिक मूल्यों पर आधारित एक कहानी याद करें ।
MATHS	1. Learn Table 2 to 12. 2. Illustrate table of 6 in four different ways.
EVS	1. Plant few seeds, observe its growth and take pictures, paste it on a scrap book. 2. Feed pet animals and birds, take pictures and paste it on scrap book. 3. Collect information and design a poster to spread awareness on –'World Environment Day'.
COMPUTER	• Using Internet (Google search engine) or from newspaper, Magazines - take print out/cut the various 'Early computing devices and inventor scientist' pictures (8-12 in sticker size), paste them in your computer Notebook on plain page and label it.

SUBJECT	CLASS -5 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19
ENGLISH	1. List 5 new words with their meaning and make a sentence using each word. 2. Do 5 page cursive writing in your Notebook. 3. Learn the poem "God made them all " 4. Learn a story based on moral values.
HINDI	1 पाँच नए शब्द-अर्थ लिखें तथा उन पर एक - एक वाक्य बनाए । 2 " दादी जी " कविता याद करे । 3 पंद्रह पृष्ठ सुलेख हिन्दी कॉपी में लिख कर लाये । 4 नैतिक मूल्यों पर आधारित एक कहानी याद करें ।
MATHS	1. Learn Table 2 to 15. 2. Illustrate table of 7 in four different ways.
EVS	1. Plant few seeds, observe its growth and take pictures, paste it on a scrap book. 2. Feed pet animals and birds, take pictures and paste it on scrap book. 3. Collect information and design a poster to spread awareness on –'Van Mahotsav'.
COMPUTER	• Using Internet (Google search engine) or from newspaper, Magazines - take print out/cut the various Pictures of <u>All generation's computer &amp; used technology</u> pictures (10- 12 in sticker size), paste them in your computer notebook on plain page and label it.

#### CLASS -6 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19

##### MATHS:

Answer the following questions:

- Q1.** The distance between Anu's home and her school is 4 km 85 m. Every day she cycles both ways. Find the distance covered by her in a week (Sunday being a holiday). What are the advantages of cycling?
- Q2.** Write all 4-digit numbers that can be formed with the digits 2 and 5, using both digits equal number of times. Also find their sum.
- Q3.** What is the difference between the smallest 6-digit number with five different digits and the greatest 5-digit number with four different digits?
- Q4.** Estimate (6554 -677) by estimating the numbers to their nearest:  
i) thousands ii) hundreds iii) greatest places
- Q5.** Write the Roman numeral form of :  
i)946 ii)391 iii)598
- Q6.** Write the Hindu Arabic form of:  
i)  $\overline{CDXLIX}$  ii)  $\overline{CMLVIII}$  iii)  $\overline{VCDXXIV}$   
(if a bar is placed over a symbol, then its value gets multiplied by 1000 times)

##### SOCIAL SCIENCE:

All the planets are named after ancient Greek and Roman gods. Find out which god each of the planets is named after, paste the picture of planet and associated god and write two facts about each planet.

##### SCIENCE:

- Design a poster in scrap book to spread awareness for 'save animals'.
- Collect pieces of various type of fabric. Paste them in your scrap book and mention the following details for each.
  - The kind of fabric

(b) Origin (plant/animal)

**ENGLISH:**

**Que 1.** Read any story/novel or a book of your choice and write the summary of it in your own words.

**Que 2.** Define Noun and state its various kinds and present them on a chart paper with the help of pictures of each kind.

**Que 3.** Make a list of **FIFTY** words which are categorized as:

Ten Words related to spices

Ten words related to rare vegetables

Ten words related to utensils

Ten words related to food items

Ten words related to describe one's personality

**Que 4.** Write TEN pages of calligraphic writing.

**G.K.:**

Find out about at least ten central cabinet ministers-Names of the ministry and name of the minister.

**COMPUTER:**

**PROJECT-1** Using Internet (Google search engine) search & download 10 famous IT personality photos and print in sticker size, paste them in computer notebook on plain page and write about his/her invention in brief on ruler page .

2. Make a list of "10 famous online shopping apps and CEO" (chief executive officers) in notebook on plain page in a table.

**HINDI:**

1- किसी विवाह समारोह की तैयारी का आँखों देखा हाल लगभग 40-50 पंक्तियों में लिखें।

2- स्वच्छता अभियान से सम्बंधित साफ-सफाई की बातें कम से कम 20 लोगों को बताएं और उनका नाम पता, उम्र, व्यवसाय का भी उल्लेख करें।

**SANSKRIT:**

1- निम्न के शब्दरूप लिखिये एवं याद कीजिए।

(क) 'राम' अकारांत पुल्लिंग (ख) 'लता' आकारांत स्त्रीलिंग

(ग) 'फल' नपुंसकलिंग

2- निम्न के धातुरूप लिखिये एवं याद कीजिए।

(क) 'पठ्' धातु लटलकार (ख) 'पठ्' धातु लङलकार (ग) धातु लृटलकार

3- संस्कृत श्लोक से संबंधित एक 'बुक मार्क' बनाइये।

**CLASS -7 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19**

**ENGLISH:**

**Que 1.** Read any story/novel or a book of your choice and write the summary of it in your own words.

**Que 2.** With the help of all kinds of Pronouns, write dialogues on any situation of your choice. (for example: conversation between two friends on summer vacations)

**Que 3.** Make a list of THIRTY idioms & phrases and use each in a sentence.

**Que 4.** Write ten pages of calligraphic writing.

**HINDI:**

1- अपनी दादी या नानी से उनके द्वारा बचपन में बिताए ग्रीष्मावकाश के बारे में पूछकर लगभग 25-30 वाक्य में उनका संस्मरण लिखें।

2- किसी गरीब स्त्री, पुरुष या बालक को देखकर आपके मन में जो-जो विचार उठते हैं, उन्हें लिखें। आपने उनकी क्या-क्या सहायता की, इसका भी उल्लेख करें।

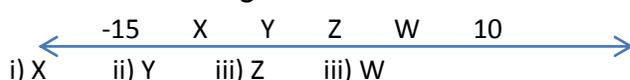
**MATHS:**

Answer the following questions:

**Q1.** Madhre is standing in the middle of a bridge which is 20 m above the water level of a river. If a 35 m deep river is flowing under the bridge, then the vertical distance between the foot of Madhre and bottom level of the river is :

i) 55 m ii) 35 m iii) 20 m iv) 15 m

**Q2.** On the following number line value "Zero" is shown by the point

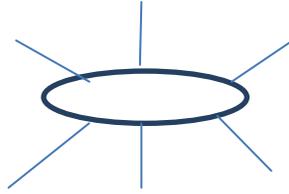
  
i) X ii) Y iii) Z iii) W

**Q3.** Equinoxes are the two days of the year when the sun is directly above the earth's equator, due to which the day and nights are of nearly equal length everywhere on the Earth. Find the name of the month of Autumn equinox using suitable properties of integers by solving the following questions match your answer with the data given in the table and fill it in the box provided in each question:

- i)  $(-1) \times (-2) \times (-3) \times (-4) \times (-5)$
- ii)  $18946 \times 99 - (-18946)$
- iii)  $(-1) + (-2) + (-3) + (-9) + (-8)$
- iv)  $15 \times (-99)$
- v)  $(-143) + 600 - 257 + 400$
- vi)  $0 \div (-12)$
- vii)  $(-125) \times 9 - 125$
- viii)  $(-1) \times (-1) \times \dots (-1)$  [20 times]
- ix)  $(-4) + 4 + (-4) + 4 - \dots + 4$  [21 times]

600	E
1	E
-30	P
-4	R
0	M
1894600	E
-1250	B
-120	S
-1485	T

**Q4.** Use the integers -2,4,-5,-12,20,-25 and 50 just one each in the wheel shown to make the product 1200 along each line.



**SCIENCE:**

- Collect pieces of various type of fabric. Paste them in your scrap book and mention the following details for each.
  - The kind of fabric
  - Origin (plant/animal)
  - Texture
  - Flexibility
  - Effect of heat (fully burn/partially burn)
- Suggest ways how cloth can be reused and recycle.

**SOCIAL STUDIES:**

Collect information about any one Prashasti written during the Medieval period and give details under the following headings:

- Name of the ruler and the duration of his reign.
- Name of the Writer /Poet.
- Language / Script used.
- Explanation or important points of the Prashasti.

**SANSKRIT:**

- निम्न के शब्दरूप लिखिये एवं याद कीजिए।  
(क) 'राम' अकारांत पुल्लिंग (ख) 'लता' आकारांत स्त्रीलिंग (ग) 'मुनि' इकारांत पुल्लिंग
- निम्न के धातुरूप याद कीजिए एवं प्रत्येक धातुरूप के नौ-नौ हिन्दी वाक्य बनाईये एवं संस्कृत में अनुवाद कीजिए।  
(क) 'पठ्' धातु लट्लकार (ख) 'पठ्' धातु लङ्लकार (ग) 'पठ्' धातु लृट्लकार

**COMPUTER:**

- Draw a chart about types of software's.
- Write 50-60 words about on life skill activity base problem- we should never use pirated software. Pirated software either does not work properly or makes our computer hang frequently. Moreover they are sold in the market paying tax to the government.

## **GENERAL KNOWLEDGE:**

Collect information about the XXI Commonwealth Games held in Gold coast, Australia and give details under the following headings in your GK Copy:

- a) The meaning of Commonwealth.
- b) Motto and Logo of the Commonwealth Games 2018.
- c) Main venue and the no. of nations participating.
- d) Country which won the highest number of medals.
- e) Position and the number of medals won by India.
- f) Venue and year of the next Commonwealth Games.
- g) Stick at least 5 pictures of the event.

## **CLASS -8 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19**

### **ENGLISH:**

Que 1. Write a story of your own on ONE of the following titles:

- Look before you leap
- The early bird catches the worm
- It's better to be safe than sorry
- Don't count your chicken before they are hatched.

Que 2. Describe Phrases and Clauses. Give ten examples of each.

Que 3. Differentiate between Homonyms and Homophones. Give ten examples of each.

Que 4. Make a list of TWENTY FIVE words to enrich your vocabulary and write one synonym and one antonym of each.

### **HINDI - हिंदी**

रचनात्मक कार्य-

1- वसंत ऋतु में आने वाले त्योहारों के विषय में जानकारी एकत्र कीजिए, और किसी एक त्योहार पर लगभग 100 शब्दों में निबंध लिखिए।

2- आपने मेले बाज़ार में हाथ से बनी चीजों को बिकते देखा होगा। आपके मन में किसी चीज को बनाने की कला सीखने की इच्छा हुई, हो और आपने कोई कारीगरी सीखने का प्रयास किया हो, तो उसके विषय में लिखिए।

### **MATHS:**

#### **Chapter – 1 (Rational Numbers )**

Ex.- 1.1 Q – 1, 2, 3, 4, 6, 8 and 11 Ex- 1.2 Q – 2, 4, 5 and 7.

#### **Chapter – 2 (Linear Equations in one variable )**

Ex- 2.1 Q – 2, 4, 6, 8, 10 and 12. Ex- 2.2 Q – 1, 3, 5, 7, 9, 11, 15 and 16.

Ex- 2.3 Q – 2, 4, 6, 8 and 10. Ex – 2.4 Q – 3, 5, 6, 8 and 10.

Ex – 2.5 Q – 1, 3, 5, 7 and 9. Ex – 2.6 Q – 3, 4 and 7.

#### **On a chart paper :-**

On a chart paper, write ( with examples):-

Properties of Addition of Rational numbers

OR

Properties of Multiplication of Rational numbers.

### **SCIENCE:**

1. Make a brochure containing information on microorganisms as our 'Friend and as Foes'.

2. With the help of adults at home ,learn how to-

(a) make pickles or jam to prevent food spoilage.

(b) bake a cake or set curd from milk.

## **SOCIAL SCIENCE:**

Draw a flow diagram in your geography note book showing types of resources present in the nature. Collect at least 20 newspaper clippings showing different types of resources and paste them in your geography note book.

Map activity:

On the physical map of the world mark/ label the following:

Major continents of the world

On the political map of the world mark/ label the following:

At least three countries from each continent. Also mark their capitals.

Collect information regarding the constitutions of the following countries of the world and write at Least four features of their constitution in your civics Notebook- Nepal, Pakistan, Sri Lanka, China, Bhutan, Bangladesh.

Collect information about Vasco de Gama and write it in your History note book

संस्कृत

1- निम्न के शब्दरूप लिखिये एवं याद कीजिए।

(क) 'राम' अकारांत पुल्लिंग (ख) 'मुनि' इकारांत पुल्लिंग (ग) 'साधु' उकारांत पुल्लिंग

2- निम्न के धातुरूप याद कीजिए एवं प्रत्येक धातुरूप के नौ-नौ हिन्दी वाक्य बनाईये एवं संस्कृत में अनुवाद कीजिए।

(क) 'गम्' धातु लट्लकार

(ख) 'गम्' धातु लङ्लकार

(ग) 'गम्' धातु लृट्लकार

(घ) 'गम्' धातु लोट्लकार (ङ) 'गम्' धातु विधिलिङ्लकार

## **COMPUTER:**

1. What points will you keep in mind for taking care of yourself, while using a computer?
2. Write any five characteristics of a computer & Explain also.
3. What are the benefits of using a computer?

## **G.K:**

SPORTS SECTION:- Collect at least ten newspaper clippings of IPL-2018(cricket) and paste them in your GK note book.

Collect at least ten newspaper clippings of commonwealth games 2018 held in Gold Coast and paste them in your GK note book.

PLANT KINGDOM-

Collect information regarding deadly plants that grow in our locality/region and write a note in your GK note book (at least one page).

Politics-Find out about at least ten central cabinet ministers-Names of the ministry and name of the minister

## **CLASS -9 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19**

### **MATHS:**

LAB ACTIVITY

Construct square root spiral.

Represent  $\sqrt{2}$  and  $\sqrt{3}$  on number line.

### **HINDI:**

आँख, नाक, कान, दाँत, बाल से सम्बन्धित 5-5 मुहावरे लिखिए। मुहावरों का अर्थ लिखकर वाक्य भी बनाइए।

### **ENGLISH:**

1. Write a Book Review of "Gulliver's Travels" in your file.
2. Read the newspaper daily and write 20 word meanings in your notebook.
3. Write a conversation between you and any two members of your family separately.  
Please follow the below mentioned instructions-
  - You can choose any general topics for conversation

- The conversation should be in dialogue form
- Act as an interviewer and draft the conversation

### **PHYSICS:**

1- Write the notes on the following:-

(a) Motion (b) Rest (c) Distance (d) Displacement (e) Average speed (f) Acceleration

2- Derive the motion's formula by

a) General Method b) Graphical Method

3- Solve 10 numerical problems other than N.C.E.R.T. book (also write the questions )

4- Make the idea and go through the following topics

- a) Force, b) first law of motion ,c) second law of motion  
 d) Third law of motion, e) inertia , f) momentum , g) impulse  
 h) law of conservation of momentum . Also write about the above topics.

### **CHEMISTRY:**

Q.1 Name the process which occurs when a drop of dettol is added to water.

Q.2 Define density and give its S.I. Unit.

Q.3 Convert the following temperature to Celsius scale:

a) 300K b) 573K

Q.4 How does the water kept in an earthen pot become cool during summer?

Q.5 How does evaporation differ from boiling?

Q.6 Which gas is called dry ice? Why?

Q.7 What causes more severe burns-boiling water or steam?

Q.8 What do you understand by the term latent heat of fusion? How much is the latent heat of fusion of ice?

Q.9 What are the characteristics of the particles of matter?

Q.10 Discuss the various factors which affect the rate of evaporation.

### **SOCIAL SCIENCE:**

Collect information about the Silk Route. Also find out the new developments, which are improving communication routes in the regions of high altitude.

Find out the longitudinal and latitudinal extent of your state

Map work : On the political map of India Mark/label the following:

Neighboring countries of India .

States through which Tropic of Cancer Passes.

Represent the following data with the help of a bar graph

COUNTRY	AREA IN MILLION Sq KM.
RUSSIA	17.07
CANADA	9.97
USA	9.80
CHINA	9.59
BRAZIL	8.54
AUSTRALIA	7.68
INDIA	3.28

### **HISTORY/CIVICS:**

Identify the political symbols used during the French Revolution and explain their importance (pg12&13)

In reference to Aung San Sue Kyi, write a few lines under the following headings:

1.Introduction 2)Formation of NLD 3)Political career 4) Awards achieved by her (Make a file)

### **ECONOMICS:**

1. Write the answer of all questions of chapter-1 ' The Story of Village Palampur' in your notes copy.

2. Activity: Visit A nearby village and Collect following Information:

Name Of Crop	Month Shown	Month Harvested	Source of Irrigation (Tank, tubewell ,Canal,etc,)

**COMPUTER:**

1. Find out and write the names of any five high level language.
2. What is the difference between compiler & Interpreter?
3. Write a short note on “Computer Languages” & “Language Processor”.

**CLASS -11 SUMMER VACATION HOLIDAY HOMEWORK SESSION- 2018-19**

<b>ENGLISH</b>	<ol style="list-style-type: none"> <li>1. Read the novel “The Canterville Ghost” and write a book review in your file.</li> <li>2.</li> <li>a) Select any two passages (400-450 words) of your own choice and make notes on it using recognizable abbreviations.</li> <li>b) Summarize the passages in about 80 words.</li> </ol>
<b>ACCOUNTANCY</b>	<ol style="list-style-type: none"> <li>1-Collect the details of any company and it’s Accounting information i.e financial statements available on net.</li> <li>2- Complete notes of Chapter No-1 (Introduction to Accounting)</li> </ol>
<b>HINDI</b>	Read the book ‘The diary of a young girl’ and write a book review in hindi.
<b>PSYCHOLOGY</b>	<ol style="list-style-type: none"> <li>1. Visit any NGO (Home for old aged, orphanage, special needs children, etc) available in the city. Study, interrogate and analyze the subjects on the basis of psychological principles.</li> <li>2. List out different types of phobias (30 at least).</li> <li>3. Watch any movie based on any psychological disorder and list out its symptoms.</li> </ol>
<b>ECONOMICS</b>	<ol style="list-style-type: none"> <li>1. Write the answers of all questions of chapter-1 ‘Introduction’ of Introductory Microeconomics in your notes copy.</li> <li>2. List all the major schemes introduced by central government of India and explain their impact on PPC of India.</li> </ol>
<b>BUSINESS STUDIES</b>	<ol style="list-style-type: none"> <li>1- Visit any bank and collect information’s regarding process of working, different type of services, type of accounts, cards, instruments etc.</li> <li>2- Complete Notes of both the chapters (Nature and significance of business &amp; Forms of business organizations)</li> </ol>
<b>GEOGRAPHY</b>	<ol style="list-style-type: none"> <li>1. Draw a flow diagram showing different types of Geography.</li> <li>2. Draw a diagram of solar system OR Draw a diagram of interior of the earth.</li> <li>3. Collect data of sex ratio of ten states of India.</li> <li>4. Collect information about the Project ‘Stardust’ (:<a href="http://www.sci.edu/public.html">www.sci.edu/public.html</a> and <a href="http://www.nasm.edu">www.nasm.edu</a>) along the following lines. <ol style="list-style-type: none"> <li>a. which is the agency that has launched this project?</li> <li>b. Why are scientists interested in collecting Stardust?</li> <li>c. Where from has the Stardust been collected ?</li> </ol> </li> <li>5. Collect more information about Big Bang theory</li> </ol>
<b>MATHS</b>	<ol style="list-style-type: none"> <li>1. Make a chart of number system, explain each number with the help of example.</li> <li>2. What is the difference between Identity and Equation, explain with the help of example.</li> <li>3. Write five examples of Collection from day to day life, which are not well defined.</li> <li>4. What is the basic difference between Set builder form and Roster form of the set. Give example of each which can not be written in other form.</li> <li>5. What is the difference between Sub set and Proper sub set. Write the set of letters of the word PAPPU. Also write their Sub set and Proper sub set.</li> </ol>

	<p>6. What are disjoint sets. Show their union and intersection by Venn-diagram .</p> <p>7. Write De Morgain`s law. Prove one of them by logic method and other by Venn – diagram.</p> <p>8. If A is a non empty set , find <math>P(P(P(A)))</math> and <math>n(P(P(P(A))))</math> .</p> <p>9. Prove that <math>A - B = A \cap B'</math> .</p> <p>10. If <math>A = \{x: x \text{ is a prime number less than } 20\}</math> and <math>B = \{x: x \text{ is a multiple of } 3 \text{ and less than } 20\}</math>, find <math>n(A) + n(B)</math>.</p>
<b>PHYSICAL EDUCATION</b>	<p>1. Made an Project file on” COMMEN WEALTH GAMES”minimum 20 pages.</p> <p>2. Write an essay on importance of YOGA in the field of GAMES and SPORTS.</p> <p>3. What do you mean by WHR explain in detail?</p>
<b>PHYSICS</b>	<p>1-Explain the following</p> <p>a) Physics and technology  b) Motion in one ,two and three dimensions  c) Relative motion (velocity)  d) Measurement of length by parallax method</p> <p>2-List the name of 10 Indian scientist and explain their major contribution</p> <p>3-write the notes on following.</p> <p>a) The international system of units  b) Basic and derived physical quantities and units  c) Errors and its types  d) Average speed and average velocity</p> <p>4- 10 ques. Based on deduction of relation between Physical quantities .</p> <p>5- 10 question based on v-t, s-t graph .</p> <p>6- 10 problems based on differentiation and integration.</p>
<b>CHEMISTRY</b>	<p>Q.1- Do all the intext questions of NCERT of ch-1 and ch-2.</p> <p>Q.2- Do all the exercise questions of NCERT from ch-1.</p> <p>Q.3- Do investigatory project as per given topics.</p> <ul style="list-style-type: none"> <li>• Checking the bacterial contamination in drinking water by testing sulphide ions.</li> <li>• Study of methods of purification of water.</li> <li>• Testing the hardness, presence of iron, fluoride, chloride etc. Depending upon the regional variation in drinking water and the study of causes of presence of these ions above permissible limit (if any)</li> <li>• Investigation of the foaming capacity of different washing soaps and the effect of addition of <math>\text{Na}_2\text{CO}_3</math> on them.</li> <li>• Study of the acidity of different samples of the tea leaves.</li> <li>• Determination of the rate of evaporation of different liquids.</li> <li>• Study of the effect of acids and bases on the tensile strength of fibers.</li> <li>• Analysis of fruit and vegetable juices or their acidity.</li> </ul>

#### COMPUTER SCIENCE & INFORMATICS PRAC.

Sr. No.	HOME WORK	ACTIVITY/PROJECT
	<p><b>Class XI</b></p> <p>Describe following Terms : (For CS and IP students)</p> <p>(1) Net Nutrality</p>	<ul style="list-style-type: none"> <li>• Make separate copy for answers.</li> <li>• Surf internet under the supervision of parents/guardian.</li> </ul>

<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p> <p>6.</p>	<p>(2) Flipped Class  (3) RSS Feed  (4) Cloud Computing  (5) Quantum Computing  (6) Nano technology  (7) Bacterial computer  (8) Web 2.0 Apps  (9) Plasma TV/computer monitor  (10) Transmission/Communication Media  (11) Data Security in respect of Social Media (Describe)`</p> <p>Security of Computer System : Threats and Prevention.  (For CS and IP students)</p> <p>Visit following URL and submit your report onto this :  <u><a href="http://www.stroustrup.com">www.stroustrup.com</a></u> (For CS students)</p> <p>Visit following URL and submit your report onto this :  <u><a href="http://en.wikipedia.org/wiki/Free_software">http://en.wikipedia.org/wiki/Free_software</a></u>  (For IP students)</p> <p>Do survey onto use/misuse of internet and submit your analytical report.  (For CS and IP students)</p> <p>Perform following duties/inculcate habits : (CS and IP students)  (i) Clean your house at least once in a week.  (dusting, removing spider-web, arrange your room, etc.)  (ii) Be kind with animals.  (iii) Pray to God for the day every night before going to bed.  (iv) Respect your Parents and elders.</p>	<p>Describe these terms with the help of suitable example covering :  Picture/ Diagram/ PPTs etc.</p> <p>Explain each Threat and its Prevention and support this with a suitable example.</p> <p>Report should contain your view/opinion and paste picture wherever required.</p>
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