

Kendriya Vidyalaya AFS Laitkor Peak  
Holiday Homework

All the students will complete their holiday homework during winter vacations and will submit to their respective subject teachers after opening of the vidyalaya.

PRIMARY HOLIDAY HOMEWORK

**CLASS I**

ENG

1. 10 HANDWRITINGS
2. 30 RHYMING WORDS
3. 7 LINES ON MY FAMILY
4. 7 ANIMALS NAME
5. 7 LINES ON MY SCHOOL
6. 7 FRUITS NAME
7. MAKE A DRAWING OF YOUR SCHOOL,HOUSE AND A RAINBOW

MATHS

- 1) COUNTING 1 TO 1000.
  - 2) BACKWORD COUNTING 500 TO 1
  - 3) TABLE 2 TO 10(5 TIMES).
  - 4) ANY 20 ADDITION
- 20 SUBTRACTION
- 10 DIVISION
- 10 MULTIPLICATION

EVS

- 1) LEARN ALL WORK DONE IN NOTEBOOK

2) IN SCRAP FILE PASTE 3 PICTURE OF:

A) PARTS OF BODY

B) SENCE ORGANS

C) GOOD HABITS(WRITE ONE SENTENCE ON EACH)

3) VISIT ANY PARK OR GARDEN NEAR YOUR HOME AND PASTE/DRAW FOLLOWING THINGS YOU SEE THERE TREES –FLOWERS-BIRDS-ANIMALS-INSECTS(LEARN THEIR NAMES ALSO).

4) MAKE A COLLAGE OF YOUR FAVOURITE FOOD ITEMS.

5) DRAW / PASTE ANY FIVE ANIMALS YOU SEE AROUND YOU AND WRITE THEIR NAMES.

### HINDI

- 1) 10 पेज सुलेख लिखें
- 2) 30 तुक वाले शब्द लिखें
- 3) 5 पक्षियों के चित्र बनाएं व नाम लिखें
- 4) 5 जानवरों के चित्र बनाइए व नाम लिखें
- 5) 15 फलों के नाम लिखें
- 6) 15 सब्जियों के नाम लिखें

### CLASS II

ENGLISH:

1. PREPARE A “THANKYOU” CARD FOR YOUR GRANDPARENTS.
- 2.WRITE AND LEARN THE POEM “GRANNY GRANNY PLEASE COMB MY HAIR”.
- 3.WRITE AN APPLICATION FOR SICK LEAVE.
- 4.WRITE ONE PAGE CURSIVE HANDWRITING DAILY.
- 5.DRAW THE PICTURES OF THINGS THAT YOU CARRY IN YOUR SCHOOL BAG.
- 6.WRITE A FEW LINES ABOUT THE MUSICMAN.

EVS:

- 1.WRITE AND LEARN “7 DAYS OF A WEEK” .
- 2.WRITE AND LEARN “12 MONTHS OF AYEAR”
- 3.DRAW THE PICTURES OF ANY FIVE FRUITS AND WRITE THEIR NAME.
- 4.DRAW THE PICTURES OF ANY FIVE FLOWERS AND WRITE THEIR NAME.
- 5.SPEND TIME WITH YOUR GRANDPARENTS AND TELL ABOUT YOUR EXPERIENCE IN CLASS AFTER VACATIONS.
- 6.DRAW THE PICTURES OF ANY FIVE BODY PARTS AND WRITE THEIR NAME.

MATHS:

- 1.WRITE COUNTING IN WORDS 1-100 .
- 2.LEARN AND WRITE TABLES FROM 2-10.
- 3.DO ATLEAST 10 SUMS ON ADDITION ,MULTIPLICATION,SUBTRACTIONS AND DIVISON.
- 4.DRAW SHAPES OF SQUARE ,RECTANGLE,TRIANGLE AND CIRCLE.

HINDI:

- 1.पांच बार सही सही हिंदी वर्णमाला लिखो |
- 2.पेड का चित्र बनाओ और उसके भागों का नाम लिखो |
3. दो अक्षर वाले 30 शब्द व तीन अक्षर वाले 20 शब्द लिखे|
- 4.5-5 बार सप्ताह के नाम, महीनो के नाम,रंगों के नाम, फलो के नाम लिखे |

### **CLASS III**

EVS:

- 1.LIST DIFFERENT WAYS TO “SAVE WATER” ON A4 SIZE SHEET.

2.COLLECT PICTURES OF FLESH EATING ANIMALS AND PASTE THEM IN YOUR NOTEBOOK.

3.DRAW AND WRITE SLOGANS ON WATER SAVING.

4.DRAW A MAP OF YOUR LOCALITY INDICATING IMPORTANT LANDMARKS ,ROADS,SIGNS AND SYMBOLS.

4.PASTE DIFFERENT PICTURES OF WATER HARVESTING SYSTEM.

5.REVISE CH 13-23

6. BSEND TIME WITH YOUR GRANDPARENTS AND TELL ABOUT YOUR EXPERIENCE IN CLASS AFTER VACATIONS.

ENGLISH:

1.WRITE ATLEAST 20 PAGES OF CURSIVE HANDWRITING.

2.WRITE 50 PAIRS OF RHYMING WORDS.

3.WRITE 50 ACTION WORDS.

4.WRITE 50 NEW WORDS WITH THEIR MEANINGS.

5.ATLEAST 30 MINUTES INTERACTION WITH YOUR FAMILY MEMBERS DAILY.

MATHS:

1.GO TO THE MARKET WITH YOUR PARENTS FOR SHOPPING AND RECORD ALL DETAILS IN YOUR NOTEBOOK.

2.DRAW SOME OBJECTS WHICH CONTAINS THREE SHAPES I.E TRIANGLE,CIRCLE AND SQUARE.

3.LEARN TABLE FROM 1 TO 15.

4.REVISE FOR FINAL EXAMS.

HINDI:

1. दस पेज सुलेख |

2. 50 तुक वाले शब्द लिखो |

3.50 संज्ञा शब्द लिखो ।

4. 30 क्रिया शब्द व 10 सर्वनाम लिखो ।

5. लेख लिखिए 15 लाइन. : क . (आपने 50 दिन की छुट्टी में क्या किया ) ख. :  
(:किसी एक त्यौहार पर)

6. अपनी नानी को एक पत्र लिखो.

7. एक पेड लगाइए व फोटो खीच कर कॉपी में चिपकाय व उसके बारे में लिखे

### **CLASS IV**

#### **ENGLISH:**

1. 10 pages handwritings.
2. Make ten sentences on each of them Myself, My pet and my family.
3. Write 100 words on New year and Christmas.
4. Learn 10 opposite words, 10 rhyming words.
5. Revise all chapters for final exam

#### **Math:**

1. Make a balance.
2. Make any 3 d shapes using chart paper.
3. Table 10 to 30.
4. Make any 20 number towers.
5. Make 30 own number series.
6. Any 30 division and 30 multiplications.
7. Plantation, click photo and paste in your copy.

#### **EVS:**

1. "Water is life" make a colourful painting on this theme with a slogan to save water.
2. Write what are the effects of water pollution on our health.
3. A farmer grows so many crops. Draw a picture of farmer working in his field.
4. Draw a picture of tree and write how plants are important for our survival.
5. Visit your nearest market and write down the prices of different fruits and vegetables.
6. Spend time with your grandparents.

## HINDI:

1. अपनी पाठ्यपुस्तक से हटकर अन्य किसी पुस्तक से किसी भी 20 दिन शिक्षाप्रद सुलेख लिखे.
2. पाठ 8 से पाठ 13 में किसी एक पाठ का प्रायोगिक कार्य करें
3. अपनी माता अथवा पिता पर खुद एक कविता लिखे.
4. किन्ही तीन जानवरों के मुखौटे बनाये.
5. अपने माता पिता के साथ किसी भी मनपसंद दर्शनीय स्थल पर जाएँ और वहाँ का वर्णन अपने शब्दों में कीजिए.
6. इन 50 दिनों में जिन व्यक्तियों से आप मिले, उनमें से किन्ही 20 व्यक्तियों का सही सही नाम व वे क्या करते हैं. सूची बनाइए
7. आप अपने परिवार के साथ भोजन करते समय किन-किन बातों का ध्यान रखेंगे ? किसी भी एक दिन के भोजन का विवरण बनाकर अ4(A4) साइज़ शीट पर लिखे

## CLASS V

### HINDI

1. अपनी पाठ्यपुस्तक से हटकर अन्य किसी पुस्तक से किसी भी 20 दिन शिक्षाप्रद सुलेख लिखे.
2. पाठ 9 से पाठ 15 में किसी एक पाठ का प्रायोगिक कार्य करें
3. अपनी माता अथवा पिता पर खुद एक कविता लिखे.
4. किन्ही तीन जानवरों के मुखौटे बनाये.
5. कोई भी 10 दिन हिंदी अखबार को पढ़कर  $10(\text{अखबार}) \times 5(\text{शब्द}) = 50$  शब्द लिखें (प्रत्येक अखबार से पाँच शब्द)
6. इन 50 दिनों में जिन व्यक्तियों से आप मिले, उनमें से किन्ही 20 व्यक्तियों का सही सही नाम व वे क्या करते हैं. सूची बनाइए
7. आप अपने परिवार के साथ भोजन करते समय किन-किन बातों का ध्यान रखेंगे ? किसी भी एक दिन के भोजन का विवरण बनाकर अ4(A4) साइज़ शीट पर लिखे

## SUBJECT-MATHS

1. Collect a bill of grocery items purchased and study it

a) Write the items purchased with its quantity.

b) Write the rate of each item.

c) What is the total expenditure as per this bill.

d) Write the name of firm, bill number and date of bill.

2. Visit vegetable market. Write down the price of any three items you buy regularly.

Calculate the cost of buying half kg of first item, 2 and half kg of second item and three and one fourth kg of third item.

3. Write and draw objects of following shapes (seen at your home or surrounding)

a) Triangles (Three objects)

b) Rectangles (5 objects)

c) Square (2 objects)

d) Circular (3 objects)

e) Hexagon (1 object)

4. Using the protractor draw the angle of following degree measure.

30, 45, 90, 120

FROM TEXT BOOK

5. Practice time and brain teasure –page-183

6. Exercise on page -175

7. Ques 1,2,3,4 on page -184

## **SUBJECT-EVS**

1. Show national parks, park, birds sanctuaries and bio-sphere reserve in the map of India (3 each)

2. Prepare a balanced diet chart for the age group 9-12 years

3. Collect information about any 5 historical places in Delhi

4. Visit the zoo (if possible) and observe different animals. Write about any two animals which you see for time

5. Make a poster regarding precaution to be adopted against mosquito breeding.
6. Make a puppet with waste material.
7. Reading newspaper and paste 5 news related to new inventions or scienceandtechnology.

## **ENGLISH**

1. 20 PAGES HANDWRITING
2. 50 PAIRS OF RHYMING WORDS.
3. 50 ACTION WORDS.
4. WRITE 15 TO 20 LINES ABOUT WHAT YOU HAVE DONE IN HOLIDAYS.
5. MAKE A DAILY DIARY FOR YOUR SELF AND WRITE ATLEST 5 LINE DAILY.
6. COMMUNICATE WITH YOUR ELDERS OR ANY ONE ELSE IN ENGLISH FOR ATLEAST 30 MINUTE A DAY.

## **CLASS VI**

### **English:**

- 1) Read the lesson “A Strange Wrestling Match” (A Pact with the Sun) and list as many as 30 difficult words and meanings.
- 2) Write a letter to your best friend telling him/her about your plans for the winter holiday.

N.B: Work to be done in the Class-work copy.

### **Maths:**

Q.1 Do the examples of chapter 10<sup>th</sup>

Example 1,2,3,4: pg 209

Example 5: pg 210

Example 6,7,8,9 :pg 211

Example 10,11,12: pg 215



Example13,14,15,16 : pg 218

Example17: pg 219

Q.2Write all the formulas,identities used in chapter1<sup>st</sup> to chapter 13<sup>th</sup>

### Science:

Write keyword definition from lesson No. 9 to 18.

2. Make a diagram of Wind Mill, Water Cycle, Rain Water Harvesting, Electric Circuit, Compass, Desert plant & animal, Pine Hole Camera and inside view of Torch.
3. Collect pictures relative to Flood or drought from old magazines or Newspapers. Paste them in your note book and write about the problems that people would have faced.
4. Prepare a poster on ways of saving water and write few slogans.
5. Collect old and discarded objects and materials like glass, bottles, coconuts husk, wool, bed sheet, greeting card and any other things. Now make something useful out of these, instead of throwing them.
6. Learn exercises of lesson No. 9 to 18.

### Sanskrit:

शीतावकाशकालीन-गृह-कार्यम्

कक्षा -अष्टमी , खण्डः - अ + ब

1. पाठसंख्या एकतः प्रारभ्य पाठ संख्या द्वादश पर्यन्तं प्रत्येकपाठतः प्रश्नसंख्या ' द्वौ ' ' त्रयश्चेति ' (2 ,3) प्रश्नानां पुनरभ्यासः |

2. युष्मदस्मदोः शब्द्रूपानां स्मरणं कृत्वा तेषां विषयपुस्तिकायां लेखनम् ।
3. इष् धातोः पञ्चलकारेषु धातुरूपानां स्मरणं कृत्वा संस्कृतपुस्तिकायां लेखनम् ।

शीतावकाशकालीन-गृह –कार्यम्

कक्षा –सप्तमी, खण्डः – अ + ब

1. पाठसंख्या एकतः प्रारभ्य पाठ संख्या त्रयोदश पर्यन्तं प्रत्येकपाठतः प्रश्नसंख्या ' द्वौ ' ' त्रयश्चेति ' (2,3) प्रश्नानां पुनरभ्यासः।

2 मति, पितृ शब्दयोः शब्द्रूपानां स्मरणं कृत्वा लेखनम् ।

3 कृ, दृश् धात्वोः धातुरूपानां पञ्चलकारेषु स्मरणं कृत्वा संस्कृतपुस्तिकायां लेखनम् ।

4 एकतः शतं पर्यन्तं (1-100) संख्यावाचकशब्दान् स्मरणं कृत्वा लेखनम् ।

शीतावकाशकालीन-गृह –कार्यम् ।

शीतावकाशकालीन-गृह –कार्यम्

कक्षा –षष्ठी, खण्डः – अ + ब

1. पाठसंख्या एकतः प्रारभ्य पाठ संख्या त्रयोदश पर्यन्तं प्रत्येकपाठतः प्रश्नसंख्या ' द्वौ ' ' त्रयश्चेति ' (2,3) प्रश्नानां पुनरभ्यासः।

2 . मुनि, भानु शब्दयोः शब्द्रूपानां स्मरणं कृत्वा लेखनम् ।

3 . नी – नय् धातोः धातुरूपानां पञ्चलकारेषु स्मरणं कृत्वा संस्कृतपुस्तिकायां लेखनम् ।

**Hindi:**

**प्रश्न 1-** निम्नलिखित संधि शब्दों का विग्रह कीजिए –

**विद्यालय, पुस्तकालय, स्वागत, महेन्द्र, पवन, देवेन्द्र, सुरेन्द्र**

**प्रश्न 2-** निम्नलिखित शब्दों के चार-चार पर्यायवाची शब्द लिखिए ।

**आकाश, अग्नि, पवन, स्त्री, चंद्रमा, सूर्य, कमल, पुष्प, अश्व, जल**

**प्रश्न 3-** वर्तनी की सामान्य अशुद्धियों को सही करके शुद्ध रूप में लिखिए –

**अगामी, संसारिक, सुरय, परिक्षा, ओरत, बिमार, आयू, बर्षा, छमा**

**प्रश्न 4-** विलोम शब्द लिखिए –

**आदि, अमृत, आदान, आकाश, कोमल, नया, धर्म, पाप, प्रश्न, पुरस्कार**

**प्रश्न 5-** निम्नलिखित शब्दों का स्त्रीलिंग, पुल्लिंग बताइए –

**दास, नदियाँ, पंडित, नौकर, लेखक, अध्यापिका, कोयल**

**प्रश्न 6-पत्र लेखन –**

शीतकालीन अवकाश में मित्र को बुलाने हेतु निमंत्रण पत्र लिखिए ।

**प्रश्न 7-निबंध लेखन -1-स्वदेश प्रेम 2- विज्ञान –वरदान या अभिशाप ।**

**(बसंत भाग 1)**

**पाठ 1 से पाठ 15 तक के प्रश्नों के उत्तर याद कीजिए ।**

**(बाल रामकथा )**

**पाठ पढ़कर प्रश्नों के उत्तर दीजिए –**

**लंका में हनुमान –**

**प्रश्न 1 –लंका जाते हुए मार्ग में हनुमान को किन-किन बाधाओं का सामना करना पड़ा ?**

**प्रश्न 2-हनुमान ने लंका पहुँचकर सीता को खोजने के लिए क्या किया ?**

**प्रश्न 3-लंका छोड़ने से पहले हनुमान ने लंका में उत्पात क्यों मचाया ?**

**प्रश्न 4-हनुमान ने पकड़े जाने पर रावण से क्या कहा ?**

**प्रश्न 5-हनुमान ने लंका से किष्किंधा लौटकर राम से क्या कहा**

**पाठ 1 से पाठ 10 तक लिखाए गए प्रश्नों के उत्तर याद कीजिए ।**

## **HISTORY**

### **Chapter 11 NEW EMPIRES AND KINGDOMS**

1. Mention three authors who wrote about Harshavardhana.

2. What changes do you find in the army at this time?

3. Match the following:-

a)Stupa      Place where the image of the deity is installed.

b)Garbagriha      Mound

c)Shikhara      Circular path around the Stupa.

d)Pradakshinapath      Mound

4. Fill in the blanks:-

a) ----- was a great astronomer.

b) ----- and -----are two Tamil Epics.

1. In what ways is a permanent and regular Job different from a casual job?
2. What benefits does Sudha get along with her salary?

### **GEOGRAPHY OUR COUNTRY – INDIA**

1. Name the major physical divisions of India?
2. Why is Lakshadweep known as coral Island?
3. Which two major rivers fall into the Arabian sea?
4. Fill in the blanks:-

India has an area of about -----

The greater Himalayas are also known as -----

The river Narmada falls into the -----sea.

### **CH- INDIA: CLIMATE, VEGETATION AND WILDLIFE.**

1. Name the different seasons in India?
2. What is natural vegetation?
3. Why is tropical rainforest occurs in ----- a) Kolkata b)Mawsynram.

1. Mangrove forest can thrive in---a) Fresh water b) Saline water

- 4.Fill in the blanks:-

a) ----- forest in Gujarat is the home of -----

b) ----- is a well-known species of mangrove forest.

c) ----- are also called monsoon forest

### **CLASS VII**

- 1) Read the lesson “A Tiger in the House” (An Alien Hand) and list as many as 30 difficult words and meanings from the dictionary.
- 2) Write an e-mail to the editor of a newspaper regarding the poor conditions of the government hospitals in Kolkata.

## CLASS VIII

## CLASS IX

### ENGLISH

- 1) Read the lesson “The Beggar” (Moments) and complete all the exercises, questions & answers in there.
- 2) Write a paragraph in about 200 words on the topic “My preparation for the exam”.

### Subject-Science

1. Make a diagram of Water cycle in nature, Oxygen cycle in nature, Nitrogen cycle in nature and Carbon cycle in nature.
2. Explain Greenhouse effect.
3. Write causes and effect of Air pollution, water pollution and soil pollution.
4. Explain layers of biosphere.
5. Write the role of Atmosphere.
6. Write the type, definition and examples of diseases.

7. Write the summary of communicable diseases.
8. Define five kingdoms with features and diagram.
9. Define five classes of vertebrates with features.
10. Make a flow chart of plant tissue with location and function.
11. Write the function of cell organelles.

#### Geography

1. To prepare all the Map based Exercise given in all the Geography chapters.
  - i. Develop Map reading skills
  - ii. Observe and identify different geographical locations from the book and study.
  - iii. Building understanding about major geographical features with the help of maps.
2. Write an assignment about the Seasonal migratory birds coming to India from different places of the World, for eg. Siberian Crane and brown headed cranes.
3. Write, define and learn all the difficult geographical terms given in the chapters with the help of glossary.
4. Solve out the question answer of Geography asked in previous social science examination.
5. Practice atleast two long question answers from each chapter and write short notes for the same.

#### Subject- Chemistry

##### I. Home Assignment for class IX students:

- (a) Writing chemical formulae of the following compounds: Copper(II)sulphate, Copper(II)oxide, Zinc(II)oxide, Zinc phosphate, Calciumphosphate, Lead(II)chloride, Lead(IV)chloride, iron(II)sulphate, iron(III)sulphate, Sodiumsulphate, Sodiumnitrate.
- (b) Determining molar mass of: Ammonia, Methane, Carbondioxide, Urea, Water, Glucose, canesugar, carbonmonoxide, Ammoniumchloride, Hydrochloric acid.

(c) Defining terms with suitable example: Diffusion, Sublimation, latent heat of vaporisation, fusion, atomicity, valency, atomic number, isotope, atomic mass,

Chromatography, distillation, tyndall effect, element, compound and mixture.

(d) Write down the electronic configuration and draw atomic structure of:

Carbon, Nitrogen, oxygen, fluorine, Chlorine, Potassium, Calcium,

Aluminium,

Magnesium, Silicon, Phosphorous.

## HINDI

प्रश्न 1 –निम्नलिखित उपसर्ग शब्दों से चार-चार नए शब्द बनाइए।

अति, अधि, अनु, दुस, निर, सम, पुनर, स्व

प्रश्न 2-निम्नलिखित प्रत्यय शब्दों से चार –चार नए शब्द बनाइए

अक्कड़, आऊ, आन, ऐया, वाई, आवट, इयल, स्थ, आन, इया

प्रश्न 3-निम्नलिखित सामासिक पदों का विग्रह करके समास का नाम लिखिए।

स्वर्गप्राप्त, आजीवन, यथासमय, तुलसीरचित, परलोकगमन, लोकसभा, महाराज, नीलगाय, त्रिवेणी, अष्टाध्यायी, रुपया –पैसा, जन्म –मरण, आशा –निराशा, चक्रधर, नीलकंठ, निशाचर, महात्मा, चतुर्मुख, सत्याग्रह।

प्रश्न 4-अर्थ की दृष्टि से निम्नलिखित वाक्यों के भेद बताइए –

1-चंद्रमा चमकता है | 2-धूप में बड़ी गर्मी है | 3-सुरेश यहाँ नहीं है | 4-यहाँ से जाइए | 5-उधर खड़े हो जाओ | 6-आह !कैसा सुंदर दृश्य है | 7-जब तुम आओगे तभी हम जाएंगे | 8-तुम सदैव स्वस्थ और प्रसन्न रहो | 9-शायद कल उसे बुखार था | 10-राम काम नहीं करता | 11-आप क्या काम करते हैं ?

प्रश्न 5-अर्थालंकार के प्रत्येक अलंकार के चार-चार उदाहरण परिभाषा सहित दीजिए।

प्रश्न 6-निबंध लेखन -1-बेरोजगारी समस्या और समाधान 2-पर्यटन का महत्व

प्रश्न 7-पत्र लेखन –दिल्ली नगर निगम के स्वास्थ्य अधिकारी को अपने मोहल्ले की सफाई करवाने के लिए पत्र लिखिए।

प्रश्न 8-क्षितिज भाग 1 और कृतिका के पढ़ाए गए पाठों के प्रश्नों के उत्तर याद कीजिए।

## **CLASS X**

### **Geography**

To prepare all the Map based Exercise given in all the Geography chapters.

**i. Develop Map reading skill**

**ii. Observe and identify different geographical locations from the book and study.**

**iii. Building understanding about major geographical features with the help of maps.**

**2. Write an assignment about the land resources in India and its relation with the existing cropping patterns.**

**3. Write, define and learn all the difficult geographical terms given in the chapters with the help of glossary.**

**4. Solve out the question answer of Geography asked in previous social science examination.**

**5. Practice atleast two long question answers from each chapters and write a short notes for the same.**

### **CHEMISTRY**

**(a) Solving question paper of previous year board question paper.**

**(b) Drill of following chemical reactions viz; combination rxn, displacement rxn,**



**Decomposition rxn, double displacement rxn, photochemical rxn and redox rxn.**

- (c) Organic rxn of : alcohol, acetic acid, alkene, substitution rxn and addition rxn**
- (d) Position of the following elements: sodium, potassium, chlorine, calcium.**
- (e) Merits and demerits of Mendeleev periodic classification**
- (f) Preparation of washing soda, baking soda, bleaching powder and POP.**
- (g) Chemical test for : acid and bases, alcohol, ethanoic acid and ethylene.**

## **CLASS XI**

**Subject : Computer Science / IP(New Syllabus : PYTHON)**

- Q1) What are PYTHON tokens? Explain them .**
- Q2) What are operators in Python ? Explain its precedence .**
- Q3) What are mutable and non mutable data types in Python ?**
- Q4) How is = operator different from == operator ?**
- Q5) Explain the ways we Can accept input in Python.**
- Q6) What are augment operators ?**
- Q7) Explain various looping constructs used in Python ?**
- Q8) What is Dynamic Typing feature in Python ?**
- Q9) What is empty statement ? What is its need ?**
- Q10) Write pseudocode for checking whether the number is a factor of 1515?**
- Q11) Draw flowchart to print the smallest and greatest among three nos ? Write python code for the same.**
- Q12) What are infinite loops ? How does such condition arise in a program?**
- Q13) What are different types of errors occurring in program ? How can u debug them?**
- Q14) Write down output of following code:**

```
A) >>> def fib(n) :  
    >>>     a, b = 0, 1
```

```
>>> while a < n:
>>>     print(a, end=' ')
>>>     a, b = b, a+b
>>>     print()
>>> fib(1000)
```

```
B) >>> fruits = ['Banana', 'Apple', 'Lime']
>>> loud_fruits = [fruit.upper() for fruit in fruits]
>>> print(loud_fruits)
```

```
C) n=int(input("Enter the number of elements to be inserted: "))
a=[]
for i in range(0,n):
    elem=int(input("Enter element: "))
    a.append(elem)
avg=sum(a)/n
print("Average of elements in the list",round(avg,2))
```

```
D) n=int(input("Enter number: ")) input is : 23678
rev=0
while(n>0):
    dig=n%10
    rev=rev*10+dig
    n=n//10
print("Reverse of the number:",rev)
```

```
E) n=int(input("Enter a number:")) input no is : 4567
tot=0
while(n>0):
    dig=n%10
    tot=tot+dig
    n=n//10
print("The total sum of digits is:",tot)
```

```
F) n=int(input("Enter number:")) input no is : 34567
count=0
while(n>0):
    count=count+1
```

```
n=n//10
```

```
print("The number of digits in the number are:",count)
```

Q15) Write down python program :

- A) To reverse a number
- B) To find whether no is palindrome or not
- C) To swap two numbers
- D) To find gcd of two nos
- E) To print odd numbers from 1 to 100
- F) To print even nos from 1 to 100
- G) To print fibonacci series
- H) To print positive numbers in a list
- I) To print odd numbers in a list
- J) To find union of two lists
- K) To count no of vowels in a string
- L) To count no of spaces in a string
- M) To count no of words in a string
- N) To count the capital letters on the string
- O) To merge two strings

Q16) Differentiate between tuple and list ?

Q17) what is module.Explain the structure of module .Create module for the following :

Addition of two nos

Calculate area of triangle

Find cube of a number

Calculate volume of cylinder

Calculate Simple Interest

Q18) What is Dictionary ? Explain with example

Q19) What are advantages of Python ?

Q20) Explain various OOPS concepts ?

Submitted By : Mr. Paritosh Srivastava , PGT(CS)

## **SUB: ACCOUNTANCY**

- 1. Solve last three years question papers.**
- 2. Complete project work.**
- 3. Daily practice 2 questions from each chapter.**
- 4. Learn and write all the definitions from each chapter.**

## **Geography**

- 1. To prepare all the Map based Exercise given in all the Geography chapters.**
  - i. Develop Map reading skills**
  - ii. Observe and identify different geographical locations from the book and study.**
  - iii. Building understanding about major geographical features particularly to the physical ones with the help of maps.**
- 2. Write an assignment about the global climatic changes with respect to prevailing Global Warming and its impact on human beings.**
- 3. Practice and draw all the diagrams given in the chapters of landforms.**

4. Write, define and learn all the difficult geographical terms given in the chapters with the help of glossary.
5. Solve out the question answer of Geography asked in previous social science examination.
6. Practice atleast two long question answer from each chapters and write a short notes for the same.

## **CHEMISTRY**

(a) To prepare an investigatory file on any one of the following topic:

(i) photochemical smog (ii) particulate pollution (iii) global warming

(iv) Eutrophication (v) Bio-magnification (vi) ozone depletion.

(b) To paste and solve question paper of half yearly examination in the note book and previous year question paper.

(c) To complete text and intext questions of p-block elements chapter.

## **CLASS XII**

### **SUB: BUSINESS STUDIES**

- 1. Solve last three years question papers.**
- 2. Complete project work.**
- 3. Daily practice 2 questions from each chapter.**
- 4. Learn and write all the definitions from each chapter.**

## **Geography**

- 1. To prepare all the Map based Exercise given in all the Geography chapters.**
  - i. Develop Map reading skills**
  - ii. Observe and identify different geographical locations from the book and study.**
  - iii. Building understanding about major geographical features particularly to the human aspects with the help of maps.**
- 2. Write an assignment about the changes in Trade structure in India and its direction with respect to export import composition from 1950 to 2015.**
- 3. Practice and draw all the diagrams given in the chapters of human settlement and water resources.**
- 4. Write, define and learn all the difficult human geographical terms given in the chapters with the help of glossary.**
- 5. Solve out the question answer of Geography asked in previous years board examination.**
- 6. Practice atleast two long question answer from each chapters and write a short notes for the same.**

## CHEMISTRY

- (a) To paste and solve previous year board question paper at least last 5 years from 2013 to 2018 in the note book.
- (b) To paste and solve at least 5 model paper based question paper and cbse sample papers in the note book.
- (c) To paste and solve pre-board-1 question paper in the note book.
- (d) Drill exercise for the following reactions at least 5 times:
- (i) Sandmeyer reaction (ii) gattermann rxn (iii) Friedel craft reaction.
  - (iv) Swarts reaction (v) Finkelstein rxn (vi) Wurtz rxn (vii) fittig rxn
  - (viii) Dow rxn (ix) Etard rxn (x) Kolbe's rxn (xi) Reimer Tiemann rxn
  - (xiii) Stephen rxn (xiv) Rosenmund rxn (xv) Coupling rxn (xvi) carbylamine rxn
  - (xvii) Hinsberg rxn (xviii) Hoffman bromamide rxn (xix) Cumene synthesis
  - (xx) Hell volhard zelnsky reactions.
- (e) Structure and hybridisation of the following molecules: phosphorous trichloride and phosphorous pentachloride, Phosphoric acid, hypophosphorous acid, sulphuric acid, peroxodisulphuric acid, pyrosulphuric acid, cyclotrimetaphosphoric acid, compounds of xenon and interhalogen compounds.