

**DAV BURHAR PUBLIC SCHOOL, BURHAR, SHAHDOL, MP**  
**HOLIDAY HOMEWORK 2024 – 2025**

## **Class IX**

### **English**

- 1) Make collage or a painting of a fair
- 2) Write a thought on a chartpaper strip
- 3) Paste the pictures of ten musical Maestro of India
- 4) Make a model of Shehnai or pungi

### **Information Technology**

1. ICT Skill (Notes Writtren in the Copy)

### **Chemistry**

1. Write and learn all intext and exercise questions in your notebook.
2. Prepare a model to demonstrate movement of particles in solids liquids and gases.
3. Make a project of interconversion of states of matter in your chart paper. State with examples each type of changes.

### **PHYSICS**

- Q1. With reference to the content given in NCERT, find out what are the three laws of motion ?
- Q2. Give examples showing applicability of the laws of physics in everyday life situations.
- Q3. Make a project file on how physics is involved in sports, dance and sound of various musical instruments.
- Q4. Learn chapter 8 Motion .
- Q5. Demonstrate the property of inertia using glass and coin.

### **Biology**

- Q1. Draw the well labelled diagram of Animal and Plant Cell and also write the difference between them.
- Q2. Draw the diagram of chromosome and explain the relationship between chromatid, chromatin and chromosomes
- Q3. Draw the table and mention the roles of following cell organelles:-  
Endoplasmic reticulum, Golgi apparatus, lysosomes, mitochondria, vacoules
- Q4. Write 20 multiple choice questions and 10 short answer type question from chapter 5-fundamental unit of life cell.
- Q5. Project work:- Draw the model of DNA structure.

### **Maths**

1. Make a square root spiral.
2. Write the history of Pie.
3. Write the history of any one Indian Mathematician.
4. Complete your notebook upto chapter 2.

## हिन्दी

1. प्रेमचंद जी अथवा कबीर जी का जीवन परिचय चित्र सहित सभी बिन्दुओं के आधार पर एक फाइल में लिखें।
2. अलंकार की परिभाषा और प्रकार की परिभाषा लिखें तथा सभी प्रकारों के दो-दो उदाहरण लिखें।(अनुप्रास,यमक, उपमा,रूपक)
3. स्वच्छ पर्यावरण व वृक्षारोपण पर दो मित्रों के बीच हुई बातचीत को संवाद शैली में लिखें।
4. 'छात्र जीवन में अनुशासन का महत्व ' शीर्षक पर एक अनुच्छेद लिखें।
5. कबीर जी के पांच दोहे या साखियां याद करें और 1/4 चार्ट पेपर पर लिखें।

## ग्रीष्मकालीन गृहकार्यम् - विषय- संस्कृतम् 2024

1. शब्दरूप याद करने एवं लिखने के लिए- राम, नदी, मुनि, मति, बालक, गुरु, धेनु, लता, अस्मद्, युष्मद्, तत्, एतत्, किम् ।
2. धातुरूप लेखन एवं यादार्थ - पाँचों लकारों में- गम्, स्था, पा, नम्, दा, लिख्, भू, अस्, स्मृ, कृ, सेव्, लभ्, रुच् धातु को आत्मने पद लट् , लृट् लकार में लिखना ।
3. संख्यावाची शब्द लिखने एवं याद करने के लिए - 1 से 50 , 1 से 4 तक संख्या का रूप तीनों लिंग में लिखें ।
4. दीर्घ, गुण एवं वृद्धि स्वर संधि के कोई भी 10-10 उदाहरण लिखें ।
5. अव्ययों का वाक्य में प्रयोग - सह, विना, परितः, अलम्, सर्वत्र, इतस्ततः, बहिः, कुत्र, श्वः, ह्यः, नीचैः, उच्चैः, अभितः, नमः
6. कारक एक नज़र में , धातुरूप एक नज़र में, उपपद विभक्ति एक नज़र में को चार्टपेपर पर लिखना ।
7. पाठ में आये क्त्वा, ल्यप्, एवं तुमुन्, प्रत्यय वाले शब्द को लिखने ।
8. संवाद लेखनम् ( कोई 2 )
9. चित्रकथा लेखनम् ( कोई 2 )

## Social Science

- 1- Prepare a map of India showing Physiographic divisions / States with capitals / Rivers etc Using clay / paper pulp / Cotton or any innovative idea. Keep hard cardboard on backside of the map.
- 2- Collect different types of soil / Cloth / Grains or any other things found in different states of India.
- 3- Make an interview with renowned personality like doctors /MP / MLA / Sarpanch / Municipal chairperson / Mayor / DM / Judge / SP etc and collect his / her Administrative or working policies of concerned department / field.
- 4- Collect various products obtained from trees and write a report on its importance and conservation.  
(Any two from the above)
- 5- Collect newspaper headlines from newspaper and paste in a scrapbook or copy from 10<sup>th</sup> of May to 15<sup>th</sup> of June.
- 6- Complete your copies and prepare. Chapters start so far.
- 7- Read and prepare notes/ Que. Answers of French Revolution & What is democracy, why democracy chapters.
- 8- Any other project / Model / PPT related with Social Science.

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## **Class X**

### **English**

- 1) Write five slogans on a light Colour chartpaper on any five of the following (save water, pollution, wildlife, save a girl child, stop animal poaching, apartheid, driving ethics)
- 2) Write biography of Robert Frost on a piece of chart paper
- 3) Read English newspaper everyday
- 4) Make painting representing fire or ice

### **Information Technology**

1. Digital Documentation (Styles and Its Operation)
2. Digital Documentation (Template)

### **Maths**

- Q.1 Write prime number upto 500 on chart paper and learn.
- Q.2 Solve chapter 3 in Holiday homework copy alongwith examples ( test copy size)
- Q.3 prove that prime number under a radical sign is always an irrational number.  
(In holiday homework copy)
- Q.4 State the fundamental theorem of Arithmetic and write 5 examples.
- Q.5 Make a frayers model on Rational numbers and Irrational numbers.

### **Chemistry**

1. Make a project on types of chemical reaction with their examples ( 5 examples from each type) .
2. Write atleast 20 chemical equations and balance them.
3. Write and learn all intext and exercise questions of chapter one in your copy .

### **PHYSICS**

1. Prepare the tabular display of all the cases of image formation by concave and convex mirror along with proper neat ray diagrams of the same.
2. Prepare the tabular display of all the cases of image formation by convex and concave lens along with a neat I' and clear ray diagram of all the cases.
3. Make a systematic chart of all the important formulas and sign convention for mirrors and lens.
4. Make a list of at least ten uses of concave and convex mirrors in our daily life around us.
5. Make a small investigation of any one important aspect of light in your life near or around you and record your observations in copy. Your investigation will be discussed in class.
6. Read chapter Light and prepare 20 Questions which are frequently asked in board examination.

### **Biology**

- Q1. Draw the table mentioning following points:-  
Name of Gland/Organ, name of enzymes/liquid secretions, Substrate(large molecule), simplest form, functions
- Q2. Draw the diagram explaining the holozoic mode of nutrition in Amoeba.
- Q3. Draw the flow chart explaining different types of respiration with chemical equation.

- Q4. Write the steps involved in process of photosynthesis with the help of diagram.  
Q5. Write 20 multiple choice and 10 short answer type questions from the following topic:-  
Nutrition, Photosynthesis, Digestion, Respiration  
Q5. Project work:- Make a working model fo Respiratory system and Heart.

## हिन्दी

1. स्थानांतरण प्रमाणपत्र हेतु प्राचार्य को आवेदन पत्र लिखें।
2. 'छात्र जीवन में अनुशासन का महत्व'अथवा'हमारी मातृभाषा हिंदी'शीर्षक पर एक अनुच्छेद लिखें।
3. सूरदास जी अथवा स्वयं प्रकाश जी का जीवन परिचय चित्र सहित सभी बिन्दुओं पर एक फाइल में लिखें।
4. संज्ञा, सर्वनाम, विशेषण, क्रिया तथा काल की परिभाषा और उनके प्रकार के नाम लिखें।
5. अलंकार (श्लेष,उत्प्रेक्षा, मानवीकरण, अतिशयोक्ति) की परिभाषा व दो -दो उदाहरण याद करके लिखें।
6. साक्षरता अभियान पर एक विज्ञापन और स्लोगन लिखे ।  
नोट- तीसरे गृह कार्य के अलावा सभी कार्य व्याकरण की कापी में करें।

## ग्रीष्मकालीनगृहकार्यम् - विषय- संस्कृतम् 2024

1. पाठ 1 एवं 2 में आये स्वर, व्यंजन, एवं विसर्ग संधि वाले शब्द को छाँटकर लिखें एवं विच्छेद करें ।
2. वाच्य परिवर्तन करें - कर्तृवाच्य से कर्मवाच्य एवं भाववाच्य में परिवर्तन करें । ( कोई 15 वाक्य )
3. वाक्यसंशोधनकरें-( लिंग, वचन,पुरुष,लकार से ) कोई 15 वाक्य ।
4. पाठ 1 एवं 2 में आये अव्ययी भाव , तत्पुरुष, द्वन्द्व एवं बहुब्रीहि समास वाले शब्दों को लिखकर उसका विग्रह करें ।
5. चित्रवर्णनम्- ( कोई 4 )
6. अव्ययों का वाक्य में प्रयोग - अत्र-तत्र, इदानीम् , सर्वत्र, इतस्ततः , सम्प्रति, साम्प्रतम् , यदा, कदा सहसा, श्वः ह्यः ,नीचैः , उच्चैः , अभितः , नमः , वृथा, शनैः, यदि , तर्हि ।
7. समयलेखनम्- चार्ट पेपर में घड़ी बनाकर समय को प्रदर्शित करें।
8. संवाद लेखनम् ( कोई 2 )
9. चित्रकथा लेखनम् ( कोई 2 )

## Social Science

- 1- Prepare a report on Lok Sabha election taking place in India with political parties symbols / Manifestos and result with pictures. Especially MP's of your constituency.
- 2- Collect different type of soils / cloth / grains or any other thing found in different states of India.
- 3- Make an interview with renowned personality like Doctor / MP / MLA / Sarpanch / Municipal Chairperson / Mayor / DM / Judge / SP etc and collect his / Her administrative or Working policies of concerned department / field.
- 4- Choose any one river of India and prepare a project report on it.
  - Make maps on the source, course, catchment area, tributaries, end States benefitted
  - Collect data on the length of the river, the frequency of flooding, dams or the reservoirs on them.
  - Geographical features formed by it during it's course.
  - Legends, poems or songs associated with the river
  - Problems and issues like big dams construction, purification of water, sharing of water, contaminations etc. associated with the river.

- Conservation and water treatment steps taken by the government.
- 5- Collect newspaper headlines from the news paper and paste it on scrapbook or copy from 10 May to 15June.
- 6- Complete your copies and prepare the chapters taught so far.
- 7- Read and prepare notes/ Ques, Answers of Nationalim in Europe, Power Sharing and Federalim chapters.
- 8- Any other project or Model related with Social Science as per your innovative ideas.

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## **Class XI**

### **English**

- 1) Write five English pet phrase
- 2) Write five English interesting jokes
- 3) Sketch portrait of your grandparents in a piece of chart paper
- 4) Make model of any one (dingy, raft submarine Rowing boat, shikara steamer, ship)

### **Informatics Practices**

#### Computer Fundamentals

1. Definition and its main components (Input Unit, Output Unit, Processing and Storage)
2. Evolution of the computers
3. Memory (Primary and Secondary)
4. Bus (Data, Control and Address)
5. Software (System and Application)

### **Subject – Accountancy**

Topic – Prepare activity in chart paper

1. Parts of Book keeping
2. Accounting principle
3. Golden rules of Journal book

### **Subject- Business Study**

Topic - Prepare activity in chart paper

1. Business activity
2. Trade and commerce ( Types)
3. Types of business (Definition, Members and specification)

### **Economics**

1. **Research Paper Review:** Choose a recent research paper in economics (from a reputable journal or academic source) and write a review summarizing its main findings, methodology, and implications.
2. **Current Affairs Analysis:** Pick a current economic issue or event (e.g., inflation, unemployment, global trade disputes) and analyze its causes, effects, and potential solutions. You can use newspapers, magazines, or reputable online sources for information.
3. **Case Study Analysis:** Select a case study related to a real-world economic situation (e.g., the economic impact of COVID-19 on a specific industry, the success of a particular government policy). Analyze the case study, discuss its implications, and propose alternative strategies or solutions.

## **Chemistry**

1. Write and learn all intext and exercise questions of chapter – 1 some basic concepts of chemistry in your notebook.
2. Make a project on periodic table of elements and learn trends in periodic properties of elements in the periodic table.

## **PHYSICS**

1. Make a project file of 10 pages(A4 size) on introduction of Physics.
2. COMPLETE PRACTICAL FILE with 8 Experiments and 6 Activities leaving the Observations Blank.
3. Complete NCERT BOOK EXERCISE for Chapter 1 in your H.W. Register.

## **Maths**

1. Draw Venn diagram for various operations on sets.
2. Draw the graph of standard functions. Also mention their domain and range.
3. Write any ten rules of Vedic Mathematics.

## **Biology**

- Q1. Write all the exercise question of chapter 1.
- Q2. Write a short notes on following topics:-
  - a) ICZN b) ICBN c) Systematics d) taxonomy
- Q3. Write the rules of nomenclature for providing scientific name to any species.
- Q4. Make a list of diseases caused in plants as well as animals by following group of Microorganisms:-
  - a) bacteria b) protozoan c) Virus d) fungi
- Q5. Describe the different classes of Bacteria and fungi in detail with example.
- Q6. Project work- make a model showing different phylum/division of Animal and Plant Kingdom.

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## **Class XII**

### **English**

- 1) Paste five newspapers clipping of letter to Editor, five notice and five report writing from any English newspaper.
- 2) Listen to BBC news everyday
- 3) Revise the 'The last lesson, The lost spring, The tiger king

### **Informatics Practices**

Pandas 1 (Series and its Operation)

1. Creation (By List, Dictionary, Scalar, Numpy)
2. Display the Modify the data
3. Attributes of the Series
4. Function of the Series (head(), tail(), Drop(), sort\_values() etc)
5. Arithmetical Operation of the Series
6. Slicing
7. Conditional data display

### **Physical Education**

1. Make knock out tournament fixture for given no. of teams below.
  - a. 11 teams
  - b. 19 teams
2. Make league tournament fixture staircase method ,cycle method.
  - a. 07 teams
  - b. 06 teams
3. Make knockout cum league tournament fixture
  - a. 19 teams
  - b. 24 teams
4. Make league tournament Fixture by Tabular Method
  - a. 09teams
  - b. 10 teams
5. 28 team knock out tournament fixture with fixed four seeding
6. Explain the various Components of physical fitness (**STRENGTH,SPEED, ENDURANCE, FLEXIBILITY, AGILITY AND COORDINATION**)
7. Projects file for (Annual practical file) With Sealf Individual exercises photo
  - a. YOGA (ASANAS) As preventive measures  
Asthma, Diabetes, Obesity, Hypertension, Back pain, Blood pressure.

Above topic explain by various points



Introduction or meaning, Causes , Name of asanas and (benefits, Procedure, Contradictions) conclusion .

- b. Calculate the BMI your self with procedure.

### **Subject- Accountancy**

Topic- Prepare activity in chart paper

1. Prepare formats of profit and appropriation account and capital account
2. Journal entries of partnership firm
3. Method and formula of goodwill

### **Subject- Business Study**

Topic- Prepare Activity in chart paper

1. Principle of Henry fayol ( 14 principle of management)
2. Principal of F.W. Taylor ( Methods )

### **Economics**

1. **Research Paper Review:** Select a recent research paper in economics (from a reputable journal) and write a review on it. Summarize the paper's main arguments, methodology, findings, and your own critique or analysis of the paper's strengths and weaknesses.
2. **Case Study Analysis:** Choose a case study related to a current economic issue or a historical event and analyze it from an economic perspective. Discuss the factors that led to the situation, its economic impact, and potential policy implications.
3. **Economic Policy Evaluation:** Pick a recent economic policy implemented by the government (either in your country or internationally) and evaluate its effectiveness. Discuss its objectives, the rationale behind it, and analyze its outcomes using economic theory and empirical evidence.
4. **Data Analysis Project:** Collect economic data from reliable sources (such as government websites or international organizations like the World Bank) and conduct an analysis. You can explore trends, correlations, or relationships between variables, and draw meaningful conclusions from your findings.
5. **Essay Writing:** Choose a contemporary economic issue (such as income inequality, globalization, climate change economics, etc.) and write an essay discussing its significance, causes, potential consequences, and possible solutions or policy interventions.
6. **Mock Economic Policy Proposal:** Imagine yourself as an economic advisor to the government and draft a policy proposal to address a specific economic problem or challenge. Provide a detailed rationale for your proposal, including its objectives, expected outcomes, and implementation strategy.
7. **Review of Economic Literature:** Select a topic of interest within economics (e.g., behavioral economics, development economics, monetary policy, etc.) and compile a literature review summarizing key studies, theories, and debates within that area.
8. **Presentation on Economic Indicators:** Choose a set of economic indicators (e.g., GDP, inflation rate, unemployment rate, etc.) and create a presentation explaining their significance, how they are calculated, and how they reflect the overall health of an economy.

## **Chemistry**

1. Make a static model on periodic table of elements and learn their atomic number and atomic mass. Also learn trends in the periodic properties of elements.
2. Write and learn all intext and exercise questions of chapters- 1 solutions in your notebook.

## **PHYSICS**

1. COMPLETE PRACTICAL FILE with 8 Experiments and 6 Activities leaving the Observations Blank.
2. Discuss the project report from any topic of class 12. (Electricity, Magnetism, Optics and Semiconductor Devices).
3. Complete NCERT BOOK EXERCISE for Chapter 1 in your H.W. Register.
4. SOLVE 10 questions of Chapter 1 from CBSE Previous Year Questions.

## **Maths**

1. Draw the graph of inverse trigonometric functions and also mention their domain and principal value branch.
2. Make the figures explaining different types of functions.
3. Solve previous year questions of chapter 1 , 2 and 3.

## **Biology**

- Q1. Write all the exercise questions-answers of chapter 1 and 2 in your copy.
- Q2. Draw the well labelled diagram of Microsporangium, Pollen grain, Ovule, female embryo sac, stages of embryo development in flower, Structure of sperm, ovum, Ovary and blastocyst.
- Q3. Draw the flow chart describing oogenesis and spermatogenesis.
- Q4. Write the different devices which can be used to discourage self pollination.
- Q5. Write the short notes on following topics:
  - a) Fertilisation in human
  - b) Implantation
  - c) Menstrual cycle
  - d) stages of embryo development in human foetal ejection reflex.
- Q6. Describe the different phases of menstrual cycle and write the names of hormones involved in regulating this cycle.
- Q7. Make a report on different reproductive diseases, their causative agents, mode of transmission and its control.