

DAV PUBLIC SCHOOL PRATAP VIHAR GHAZIABAD
HOLIDAY HOME WORK (2020-21)
CLASS- X SUBJECT - ENGLISH

Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

1. Write an article on **any two topic** from the list given below in about 125-150 words.

- (a) Gender discrimination (b) Cyber crime (c) Save girl child
(d) Harmful effects of junk food (e) Environmental pollution

2. Make **a chart of 12 tenses** along with the structure, rules and examples of each form.

Example- Simple Present –

1. I go to the gym and exercise daily without fail. (Affirmative)

2. I don't prefer to go to gym, rather I do exercise at home regularly. (Negative)

3. Do you prefer to go to gym or exercise at home? (Interrogative)

4. Don't you exercise daily? (Negative Interrogative)

3. Choose any **5 difficult words** from the chapter 1 to 5 from each book. Write their meaning and also make sentence.

4. (a) Write a story in about 150-200 words with the following beginning and give a suitable title to it.

It was 6 o'clock in the evening and there was a lot of traffic on the road. Mohan was driving his way when suddenly two teenagers on bike overtook his car.

a) Be imaginative and develop a readable story in about 150-200 words with the help of the given outline.

Outline: A poor woodcutter... Cutting trees in the forest... One day axe falls onto the river... Water deep..... helpless woodcutter weepsGod mercury appears... Ask woodcutter the reason... Brings a golden axe... Woodcutter does not accept it... God mercury then brings a silveraxe... Woodcutter again refuses it... Brings his own iron axe... Woodcutter happy... Takes his axe... god is pleased... Rewards him

4. (a) You are Mr RahulSaxena, sports instructor of DAV Public School Kalka. A sport event tournament is going to held in your school for which you need various sports equipment and accessories. MrSaxena writes a letter to the Youth Sports equipment,Rohini, New Delhi **to enquire** about the availability and price list of all sports item. Write the enquiry letter on MrSaxena's behalf.

a) After getting the reply from the youth sport equipment. Write **an order** letter to them mentioning every detail of quantity price delivery date and payment norms.

b) You receive the order and observe that some of the items are not proper, defective,old and torn. Write a letter to the youth sports equipment Rohini,New Delhi,**complaining** about the same and asked to change the items immediately.

Note: - All work to be done in the respective fair grammar notebooks/registers.

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- 1- आधुनिक काल के महान कथाकार यशपाल की लिखी गई किसी एक रचना को पढ़िए ।
उसके उपरांत कहानी का सारांश , उसके प्रमुख पात्रों की विशेषताओं, कहानी की भाषा और उद्देश्य को अपने शब्दों में लिखिए ।
 - 2- उत्सव, शोक, प्रतियोगिता आदि किसी अवसर या समारोह से संबंधित विषय पर संदेश तैयार कीजिए । (कोई चार)
 3. पढ़ाए गए पाठों में से कुल 10-10 पद-परिचय, वाक्य और वाच्य अभ्यास के प्रश्न बनाकर उत्तर लिखिए ।
 4. अभी तक कक्षा में पढ़ाए गए अध्यायों का कार्य व्यवस्थित ढंग से अपनी कॉपी में करेंगे और पाठों की पुनरावृत्ति करेंगे ।
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OR

कक्षा 10, विषय - संस्कृत

१. वाच्यो मे कर्तृ , कर्म और भाव वाच्यो के दस दस उदाहरण लिखे ।
२. वाक्य संशोधन मे प्रयुक्त लट् लकार , लृट् लकार , तथा लङ्ग लकार लोट् व् विधिलिङ्ग लकार के रूप याद करे । शब्द रूपो को भी याद करे ।
३. संस्कृत मे सत्संगति व परोपकारः पर पञ्च वाक्यो का अभ्यास करके लिखे।
4. पाठ एक से पाञ्च पाठो मे आये समस्तपदो का विग्रह करके लिखे ।

CLASS- X MATHS

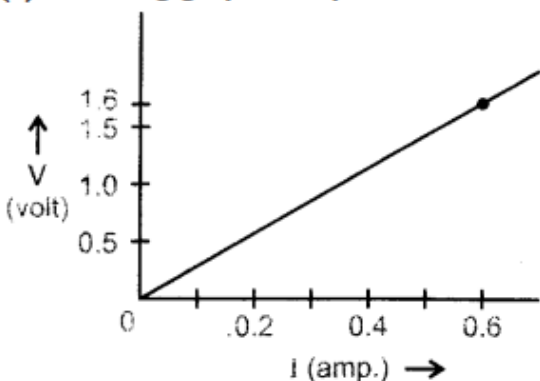
1. If two its zeroes of the polynomial $x^4 - 6x^3 - 26x^2 + 138x - 35$ are $2 \pm \sqrt{3}$. Find other zeroes.
2. If the polynomial $x^4 - 6x^3 + 16x^2 - 25x + 10$ is divided by another polynomial $x^2 - 2x + k$, the remainder comes out to be $x + a$, Find k and a .
3. Solve the pair of equations by reducing them to a pair of linear equations.
 $\frac{2}{x} + \frac{3}{y} = 13$; $\frac{5}{x} - \frac{4}{y} = -2$
4. For what value of k does the following pair of linear equations have no solutions?
 $3x + y = 1$; $(2k-1)x + (k-1)y = 2k+1$
5. A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train
6. Draw the graph of the equations $2x + y = 6$ and $2x - y + 2 = 0$. Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region.
7. Prove that $\sqrt{3}$ is irrational.
8. Find the HCF of 65 and 117 and express it in the form $65x + 117y$.
9. Show that square of any positive integer is of the form $3m, 3m+1$ for some integer m .
10. **ACTIVITY:** To use the graphical method to obtain the condition of consistency and hence to solve a given system of linear equations in two variables.

Class –X Physics

Q 1. State Ohm's Law. Draw circuit diagram and explain it graphically.

2.(i) Draw a closed circuit diagram consisting of a 0.5 m long nichrome wire XY, an ammeter, a voltmeter, four cells of 1.5 V each and a plug key.

(ii) Following graph was plotted between V and I values :



What would be the values of V /I ratios when the potential difference is 0.8 V, 1.2 V and 1.6 V respectively? What conclusion do you draw from these values?

Q3. Draw a circuit diagram of an electric circuit containing a cell, a key, an ammeter, a resistor of $2\ \Omega$ in series with a combination of two resistors ($4\ \Omega$ each) in parallel and a voltmeter across the parallel combination. Will the potential difference across the $2\ \Omega$ resistor be the same as that across the parallel combination of $4\ \Omega$ resistors? Give reason.

Q4. Three incandescent bulbs of 100 W each are connected in series in an electric circuit. In another circuit another set of three bulbs of the same wattage are connected in parallel to the same source.

(a) Will the bulb in the two circuits glow with the same brightness? Justify your answer.

(b) Now let one bulb in both the circuits get fused. Will the rest of the bulbs continue to glow in each circuit? Give reason.

Q5. Two wires A and B are of equal lengths, different cross-sectional areas and made of the same metal. (i) Name the property which is same for both the wires.

(ii) Name the property which is different for both the wires.

(iii) If the resistance of wire A is four times the resistance of wire B, calculate

(a) the ratio of the cross-sectional areas of the wires.

(b) the ratio of the radii of the wires.

Q6. Arun while studying the force experienced by a current carrying conductor in a magnetic Field records the following observation

1	The force experienced by the conductor is increases as the current in the conductor is decreased
2	The force experienced by the conductor is decreases as the strength of magnetic field is decreased
3	Direction of the force on the current carrying conductor is determined suing Fleming Left hand rule

Which of these observations is correct? Explain

Q7. A coil of insulated copper wire is connected to a galvanometer. What happens if a bar magnet is

1	Pushed into the coil	
2	Withdrawn from inside the coil	
3	Held stationary inside the coil	

What is the name of the phenomenon?

Q8. Why do we use fuse in series with any electrical appliance? Why should a fuse with defined rating not be replaced by one with larger rating?

Class –X Chemistry

1. Name and state the law which is kept in mind while we balance a chemical equation.
2. What happens when quicklime is added to water?
3. Write the chemical equation for reactions that take place when lead nitrate and potassium iodide solutions are mixed.
4. When Hydrogen gas is passed over heated copper (II) oxide, copper and steam are formed. Write the balanced chemical equation with physical states for this reaction. State what kind of chemical reaction is this?
5. Give reasons:
 - i. **An iron knife kept dipped in a blue copper sulphate solution turns the blue solution light green.**
 - ii. **Acids are not stored in metallic containers.**
 - iii. Curd and sour substances are not kept in copper and brass vessels.
 - iv. We should not add water into acid for dilution.
6. Define the terms:
 - i. Chemical Reaction
 - ii. Chemical Equation
 - iii. Skeletal Equation
 - iv. Balanced Equation.
7. **If you collect silver coins and copper coins. After some day a black coating on silver coins and a green coating on copper coins. Which chemical phenomenon is responsible for these coatings? Write the chemical name of black and green coatings**
8. Mention Names & Formula of any 8 Polyatomic ions with negative Charge & with Positive ions.
9. **What are hydrated salts? Give an example**
10. **Name the gas evolved when Zinc reacts with alkali.**

CLASS – X SUBJECT - BIOLOGY

CHAPTER 6 – LIFE PROCESSES (Nutrition, Respiration and Transportation)

1. (a) Draw a diagram to show open stomatal pore and label on it:
(i) guard cells (ii) chloroplast
(b) State two functions of stomata.
(c) How do guard cells regulate the opening and closing of stomatal pore?
2. Bile juice has no digestive enzyme, still it is considered very important. Why?
3. Explain the process of digestion in mouth, stomach and small intestine in human body.
4. What are the functions of?
(i) Fine hair in nostrils
(ii) Rings of cartilage around trachea
(iii) Haemoglobin in blood
5. With the help of a flowchart, show the different pathways by which glucose can be broken down.
6. (a) Draw a diagram of human respiratory system and label on it:
(i) larynx(ii) trachea(iii) lungs(iv) bronchi
(b) Why do the walls of the trachea not collapse when there is less air in it?
7. What is double circulation in human beings? Explain with the help of diagram.
8. What is the normal value for blood pressure? Which instrument is used to measure the blood pressure?

CLASS – X SUBJECT : Social Science (History & Political Science)

1. List five countries of coming together federation and five countries of holding together federation and show them in a political map of the world.
2. Prepare a project report on the civil right movement in the (1954-1968) USA under the leadership of Martin Luther King junior(1954-1968).
3. Prepare a Bio sketch of Mahatma Gandhi and explain his contribution in the freedom struggle in India.
4. **On the political map of India** locate & level the following congress session(i) Calcutta (Sept.1920) (ii) Nagpur(Dec.1920),(iii)Madras(1927))
5. **On the political map of India** locate and label the following places:
 1. Champaran(Bihar)
 2. Kheda (Gujrat)
 3. Ahmedabad(Gujrat)
 4. Dandi(Gujrat)
 5. Amritsar(Punjab)
 6. Chauri-Chaura(U.P)

Class – X Sub.- Geography/Economics

Q.1. On an outline map of India locate and label the following:-

- (A) Dams :-Salal , Hirakud , BhakraNangal
- (B) Iron Ore Mines :-Durg , Bellary , Kudremukh
- (C) Oil Fields :- Digboi , Kalol , Mumbai High

Q.2. Every student has to compulsorily undertake **any one** project on the following topics:

1. CONSUMER AWARENESS
2. SOCIAL ISSUES
3. SUSTAINABLE DEVELOPMENT

Q.3. Explain land use pattern in India. Why has the land under forests not increased much since 1960-61.

Q.4. In situations with high risk, credit might create further problems for the borrower. Explain.

Class-X, Subject: Information Technology(402)

Note: Do all question for 1 to 9 in your class work register. Question 10 will be done in computer system and mail it to “davpvict@gmail.com” with subject : IT(402) Studentname , class and section.

1. Ananya uses Internet for her School Project. Suggest any five security measures to ensure safety from online threats.
2. Rohan’s father told him that they need to attach a modem for the Internet connection on their computer. Explain the meaning and function of modem to Rohan.
3. Pulkit has got a proposal for a meeting through Calendar. Suggest four types of responses that are available under calendar software.
4. Explain the following terms:
 - i. Internet
 - ii. LAN
 - iii. Instant Messaging
 - iv. Blog
 - v. P2P Architecture
5. What is cyber safety? Why it is important?
6. What is confidentiality of information? How do you ensure it?
7. What do you understand by term e-reservation?
8. What will happen if our computer system is attacked by virus?
9. What do you understand by Window Action Centre?
10. Create a Word file on cyber safety with following instruction:
 - ❖ Set page style as :
Top and Bottom Margin: 1.5” Left and Right Margin:1”.
 - ❖ Create two columns:
 - Script MT, Font Size:26.
 - Insert a Footer with the current Date and time
 - Type text in the column Insert two Column from the Page Layout tab(Make sure you apply columns after the page heading)
 - Give a heading to document, “Cyber Security”.
 - ❖ Font: Bruch
 - Font: Calibri Font size: 12 Line spacing: 1.15 Paragraph Spacing:5 pt.
 - Use color, italics and bold style as visible in the text.
 - Give the Drop Cap effect from the Insert tab to the first letter of the document.
 - ❖ Insert a picture in the center of the column

CLASS - X SUBJECT – PHYSICAL EDUCATION

1. Write down the five asanas for concentration and its benefits.
2. Write down the National Sports awards and explain any one National award in details.
3. List down the events of track races
4. List down the field events in athletics.

CLASS – X Subject – Music

- Write Biography of any 2 Indian singers,
- Write History of Harmonium and tabla,
- Draw the keypad and practice alankar 1 to 9 on keypad.

Class: X

Sub: Art

Attempt the following:

1. Make a Madhubani Painting.
2. Make a flower vase with old newspaper/magazine.

**REVISE ALL THE SYLLABUS DONE IN ONLINE CLASSES
HOLIDAY HOMEWORK WILL BE DONE IN CLASS WORK NOTE
BOOK**