

DAV Public School

Sector-VI, Dwarka

Session 2016-17
CLASS- X

HOLIDAY HOMEWORK



ENGLISH

Q1 a) Read the passage given below and complete the sentences that follow :

The greatest enemy of mankind, as people have discovered, is not science, but war. Science merely reflects the prevailing social forces. It is found that, when there is peace, science is constructive; when there is war, science is perverted to destructive ends. The weapons which science gives us do not necessarily cause war; they make war increasingly terrible. By now, it has brought us to the doorstep of doom. Our main problem, therefore, is not to curb science, but to stop war – to substitute law for force, and an international government for anarchy in the relations between one nation and another. That is a job in which everybody must participate, including the scientists. But the bombing of Hiroshima suddenly woke us up to the fact that we have very little time. The hour is late and our work has scarcely begun. Now we are face to face with an urgent question – „Can education and tolerance, understanding and creative intelligence run fast enough to keep us abreast with our own mounting capacity to destroy ? „ That is the question which we shall have to answer one way or the other in this generation. Science must help us in arriving at the answer, but the main decision lies within ourselves.

1. According to the writer, the real enemy of mankind is not science but war, because _____
2. War can be stopped if _____ .
3. According to the writer, the main problem we are faced with is to _____ .
4. The expression “bring to the doorstep of doom” means _____.
5. Science is constructive when _____
6. Find a word from passage which means the same as ‘control’

b) Everyone has faced some difficulty in school or at home. Maybe it was poor marks in an examination or teasing by school mates or even a fight with a friend. Maybe you did not receive a prize or something didn't work out properly. Whatever it is, the situation upsets you and you don't know how you can cope with it. It is easy during difficulties to just throw up your hands in despair, say you cannot take any more and just quit. It takes determination to carry on. If you persevere, the difficult time will soon end. There is a saying ,when the going gets tough the tough get going“. Instead of concentrating on the problems and what has gone wrong, you should focus on something positive during this time. Try to look for a tiny ray of goodness or sunshine in the dark clouds. If you made the mistake, you must make amends. Then put the problem behind you and get on with the present, ensuring that the same mistake is not made in the future. Problems are part of life and will be there throughout life. What matters is how you deal with them. Bethoven's deafness did not prevent him from composing great symphonies.

- (a) When faced with difficulty most people react by _____ .
- (b) The person facing problems can overcome the difficulty if he _____ .
- (c) If you are the cause of your problem yourself you are advised to _____.
- (d) The person facing difficulty is advised to take inspiration from Bethoven who -----

(e) The writer feels that instead of brooding over the problem we should _____

(f) Find a word from passage which means the same as 'deal effectively'.

Q2. You came across the following news item.

Two Dutch women attacked and robbed in New Delhi

Such incidents deter tourists from visiting the country. Write an article on the subject offering suggestions for improving tourist facilities.

Q3. It was raining heavily, the street lights had gone off and I was returning..... Complete the story in about 120-150 words providing an appropriate title to it.

Q4. Complete the passage by choosing the best words from the options given below :

The rag pickers of India (a) _____ a pitiable sight. It is poverty that (b) _____ them to resort to rag picking. Day in and day out they may be (c) _____ on the roads, the lanes and the by lanes of a city or town looking for cast-off clothes or something else showy or shoddy that (d) _____ sell.

(a) (i) presented (ii) present (iii) will present (iv) may present

(b) (i) goad (ii) goads (iii) will goad (iv) may goad

(c) (i) see (ii) seen (iii) will be seen (iv) are being seen

(d) (i) may (ii) will (iii) shall (iv) could

Q.5. Answer the following questions in 30-40 words each:

- What role was Patol Babu offered to play? Why was it considered approximate for him?
- Patol Babu is a real film star – Do you agree? Give reasons in support of your answer.
- What does the narration mean when he says 'Sebastian Shultz was the game'?
- The Ancient mariner's shipmates are a bunch of fickle minded sailors. Comment.

Novel- The story of my life by Helen Keller

Write the summary of chapters 14 to 23

HINDI

प्रश्नक- निम्नलिखित वाक्यों को निर्देशानुसार परिवर्तित कीजिए-

- मेहनत करने पर भी गरीबों को भरपेट रोटी नहीं मिलती|संयुक्त वाक्य में(
- वह खेलकूदकर पढ़ने लगा|मिश्र वाक्य में
- मैंने पहले उसे पढ़ाया | तब अमेरिका भेजा ,सरल वाक्य में
- वह छात्र पढ़कर स्कूल से चला गया । संयुक्त वाक्य में
- झाड़ियों के पीछे बैठी बिल्ली कुत्ते के जाने की प्रतीक्षा करने लगी |संयुक्त वाक्य में
- बदल घिर आए और वर्षा होने लगी |मिश्र वाक्य में

- में ज्यों ही स्टेशन पर पहुँचा |गाड़ी चलने लगी ,संयुक्त वाक्य में
- मैंने स्कूटर चला रहे बच्चे को देखा। मिश्र वाक्य में
- लता की बहन आशा ने समारोह में गीत गाकर सभी को मंत्रमुग्ध कर दिया। संयुक्त वाक्य में
- मैंने एक दुबले पतले व्यक्ति को भीख माँगते देखा -।मिश्र वाक्य में

प्रश्न(ख)- निम्नलिखित पदों का समासविग्रह कीजिए और समास का भे-द भी लिखिए-

1. अकालपीडित
2. यथासमय
3. पत्राचार
4. राष्ट्रभक्त
5. त्रिभुज
6. चक्रपाणि
7. अष्टाध्यायी
8. चंद्रशेखर
9. आशुतोष
10. ऋणमुक्त

प्रश्न (ग)-निम्नलिखित मुहावरों के अर्थ लिखकर वाक्य बनाएँ |

1. निराशा के बादल फटना
2. निर्निमेष ताकना
3. त्योरियाँ चढ़ाना
4. बेसिर-पैर की बातें करना
5. सिरपर नंगी तलवार लटकना
6. जन्मसिद्ध अधिकार

प्रश्न (घ).निम्नलिखित विषयों पर सूचना लिखिए |

1 आपके विद्यालय में दिसंबर के महीने में एक ऐतिहासिक ट्रिप का आयोजन किया जा रहा है संबंधित |
विषय की सूचना लिखिए

2आपके विद्यालय में अन्तर्विभागीय फुटबॉल मैच का आयोजन किया जा रहा है |
विषय से संबंधित सूचना तैयार कीजिए |

प्रश्न(ड). निम्नलिखित विषयों पर संवाद लिखिए |

1. स्वास्थ्य सुरक्षा के सन्दर्भ में माता और पुत्र/पुत्री के बीच संवाद
2. हिंदी भाषा की उपयोगिता को लेकर दो वियार्थियों के बीच संवाद

3. समाज में बढ़ती अपराधिक गतिविधियों को लेकर दो मित्रों के बीच संवाद

MATHEMATICS

1. The 6th term of an AP is -10 and its 10th term is -26 . Determine the 15th term of the AP.
2. Determine the AP whose third term is 16 and the 7th term exceeds the 5th term by 12 .
3. The 17th term of an AP exceeds its 10th term by 7 . Find the common difference
4. For what value of n , are the n th terms of two APs: $13, 19, 25, \dots$ and $69, 68, 67, \dots$ equal?
5. If the n th term of a progression be a linear expression in n , then prove that this progression is an AP.
6. The sum of three numbers in AP is 21 and their product is 231 . Find the numbers.
7. Manish saved Rs. 50 in the first week of the year and then increased his weekly savings by Rs. 17.50 each week. In what week will his weekly savings be Rs. 207.50 ?
8. Find the sum of 51 terms of the AP whose second term is 2 and the 4th term is 8 .
9. The sum of n terms of an AP is $(5n^2 - 3n)$. Find the AP and hence find its 10th term.
10. How many terms are there in A.P. whose first terms and 6th term are -12 and 8 respectively and sum of all its terms is 120 ?
11. Prove that the points $A(7, 10)$, $B(-2, 5)$ and $C(3, -4)$ are the vertices of an isosceles right triangle.
12. Determine if the points $(1, 5)$, $(2, 3)$ and $(-2, -11)$ are collinear.
13. Find the point on x-axis, each of which is at a distance of 10 units from the point $(11, -8)$.
14. Find the values of k for which the distance between the points $A(k, -5)$ and $B(2, 7)$ is 13 units.
15. Show that the points $A(-3, 2)$, $B(-5, -5)$, $C(2, -3)$ and $D(4, 4)$ are vertices of a rhombus. Find the area of this rhombus.
16. Find the coordinates of the midpoint of the line segment joining the points $A(3, 0)$ and $B(5, 4)$
17. The coordinates of the midpoint of the line segment joining the points $A(2p + 1, 4)$ and $B(5, q-1)$ are $(2p, q)$. Find the value of p and q .
18. Find the lengths of the median of the triangle whose vertices are $(1, -1)$, $(0, 4)$ and $(-5, 3)$.
19. Find the ratio in which the line segment joining $A(1, -5)$ and $B(-4, 5)$ is divided by the x-axis. Also find the coordinates of the point of division
20. If $A(-5, 7)$, $B(-4, -5)$, $C(-1, -6)$ and $D(4, 5)$ are the vertices of a quadrilateral, find the area of the quadrilateral ABCD.
21. An unbiased die is thrown. What is the probability of getting
 - a) an even number
 - b) a multiple of 3
 - c) a multiple of 2 or 3
 - d) a number less than 5 divisible by 2 .
 - e) A number greater than 2 divisible by 3 .
 - f) an even number or a multiple of 3
 - g) an even number and a multiple of 3
 - h) a number 3 or 4
 - i) an odd number
 - j) a number less than 5
 - k) a number greater than 3
 - l) a number between 3 and 6

22. Two dice are thrown simultaneously. Find the probability of getting

- a) an even number on first dice
- b) an odd number on first dice
- c) an even number as the sum
- d) a multiple of 5 as the sum
- e) a multiple of 7 as the sum
- f) a multiple of 3 as the sum
- g) a sum more than 7
- h) a sum greater than 9

23. The king, queen and jack of clubs are removed from a pack of 52 playing cards. One card is selected at random from the remaining cards. Find the probability that the card is

- a) neither a heart nor a king
- b) neither an ace nor a king
- c) neither a red card nor a queen card
- d) a black card or an ace.
- e) either a heart or a spade card
- f) a king card
- g) a heart card
- h) a red card
- i) a black card
- j) a spade card
- k) a diamond card
- l) a club card
- m) either an ace card or black card
- n) an ace card
- o) a face card
- p) a face card with red colour

24. A box contains 90 discs which are numbered from 1 to 90. If one disc is drawn at random from the box, find the probability that it bears

- a) a two-digit number
- b) a perfect square number
- c) a number divisible by 5.
- d) a number divisible by 2 or 3.
- e) a number divisible by 2 and 3.
- f) a number divisible by 7.
- g) a number multiple of 8.
- h) a two digit number divisible by 5.
- i) a two digit number divisible by 2.
- j) a two digit number divisible by 3.
- k) a two digit number divisible by 4.
- l) a two digit number perfect square.
- m) neither divisible by 5 nor 10.

SCIENCE

Assignment

Lesson- Periodic classification of elements

- A part of the modern periodic table with elements represented by the letter of English Alphabet (not be elements symbols) is given below:

Observe that carefully and answer the questions that follow:

Group →	1	2	13	14	15	16	17	18
periods ↓								
I	A							
II	B		H	J			L	N
III	C	F	I	K			M	O
IV	D	G						P
V	E							

- Q1. What are the elements of group one called?
- Q2. Select the letter which represents the most reactive metal?
- Q3. What is the name given to group 17 elements?
- Q4. Select the elements which represents the most reactive non- metal?
- Q5. Which element is most likely to be a metalloid?
- Q6. What will be the chemical formula of a compound formed by combining the elements represented by I and L?
- Q7. How the metallic character of elements vary in a group and why?
- Q8. How the non – metallic character of elements vary in a period & why?

- Following table represents a part of the Modern Periodic table containing first three periods in which five elements have been represented by the letters a,b,c,d and e (these are not the chemical symbols of the elements)

Group →	1	2	13	14	15	16	17	18
periods ↓								
1	a							
2			b				e	c
3	d							

- Q1. Select the letter (s) which represents alkali metal.
 Q2. Select the letter (s) which represents a Nobel gas.
 Q3. Select the letter (s) which represents a halogen.
 Q4. Where would you place an element 'f' with electronic configuration 2, 8, 4 in the given table?
 Q5. How many valence electrons are present in the element denoted by b?
 Q6. What is the valency of element represented by e?
 Q7. Select the element with highest metallic character.
 Q8. How many shells are present in element represented by 'd'?
 Q9. What is the similarity in the electronic configuration of elements represented by 'a' and 'd'?
 Q10. Select the elements which form univalent ions.

Note: - Attempt the given above assignment on A-4 ruled sheets.

BIOLOGY













- Using MS-Point/ MS-Word/ MS-Power point draw Mind maps on Management of natural resources on A-4 size sheet.
- Enlist the industries based on forest produce and also to find whether these Industries are using these resources in a sustainable manner.

Assignment

Lesson – Our Environment

- Given below is the pictorial representation of a terrestrial, fresh water, and marine water food chain. Observe them carefully and answer the questions given in the work sheet.

Sample Food Chains

Trophic Level	Grassland Biome	Pond Biome	Ocean Biome
Primary Producer	grass ↓	algae ↓	phytoplankton ↓
Primary Consumer	grasshopper ↓ 	mosquito larva ↓ 	zooplankton ↓ 
Secondary Consumer	rat ↓ 	dragonfly larva ↓ 	fish ↓ 
Tertiary Consumer	snake ↓ 	fish ↓ 	seal ↓ 
Quaternary Consumer	hawk ↓ 	raccoon ↓ 	white shark ↓ 

1. Can the rat come at a lower position in the terrestrial food chain? Give reason for your answer.
2. What will be the fate of this terrestrial food chain if all the snakes are removed?

3. Will the food chains be affected if the animals at the top carnivore level were removed? Give reasons for your answer.
4. Indicate the flow of energy in terrestrial ecosystem. Why is it unidirectional? Justify.

Do and Paste the above activities in homework notebook. Revise FA-4 syllabus.

SOCIAL SCIENCE

Very Short Answer Questions

- Q1 Why did Khilafat Movement begin?
- Q2 Why was the Civil Disobedience Movement launched?
- Q3 Which European country colonised Vietnam and what was its result?
- Q4 When and how was Indo-China formed?
- Q5 When was Tonkin Free school started and why? When and why was the scholars revolt started?
- Q6 Describe the main idea of Phan Chu Trinh and Phan Bhai Chau.
- Q7 What was the Ho Chi Minh Trail? State its importance.
- Q8 What was the primary objective of Vietnamese students who went to Japan to acquire modern education under “go east movement”?
- Q9 Why did the US enter into the war in Vietnam?
- Q10 Why Indians were outraged by the Rowlatt Act?
- Q11 What was the Poona Pact of September 1932?
- Q12 “British rule in India would collapse within a year if Indians refused to cooperate “. How did this statement help in starting a movement in India against the British rule?
- Q13 Describe three people’s participation in the Non Cooperation movement in town and cities. What were the economic effects?
- Q14 Describe the main events leading to civil Disobedience Movement or Salt Satyagraha in 1930.
- Q15 How did people belonging to different communities ,regions or language groups develop a sense of collective belonging in India?

ECONOMICS

- Q1 What is collateral?
- Q2 What are Self help groups?
- Q3 State any two formal sources of credit.
- Q4 What are the modern forms of currency?

Q5 How money has solved the problem of double coincidence of wants?

Q6 "Credit must be made available to the poor people on appropriate and reasonable term to respect certain essential values". Analyse the statement with arguments.

Q7 What are Demand Deposits ? Explain any three features.

Q8 What is credit? How do banks mediate between those who have surplus money and those who need money.

Q9 What are the important functions of money?

Q10 Mention some important uses of credit.

Note – Assignment to be done in the subject note book.

SANSKRIT

(1) सन्धि:

(१) प्राचीनकाले+अपि आणविक-अस्त्राणि आसन् ।

(२) सुभाषितानि नरं सन्मार्गं दर्शयन्ति ।

(३) सद्भावस्य वृद्धिः+जायते ।

(2) समास:

(क) कामः च क्रोधः च मोहः च त्याज्याः सन्ति । (कामक्रोधमोहौ , कामक्रोधमोहाः , कामक्रोधमोहानि)

(ख) अलंकृतं शरीरं यस्य सः कः अस्ति ? (अलंकृतशरीरः , अलंकृतशरीरम् , अलंकृतशरीर)

(ग) कार्यं निर्विघ्नं सम्पन्नं जातम् । (विघ्नैः अभावः , विघ्नान् अभावः , विघ्नानां अभावः)

(3) प्रत्यय:

(क) पितरौ वन्दु+ शानच् बालकः प्रसीदति । (वन्दमान , वन्दमानः , वन्दमानौ)

(ख) परिश्रमे एव सफल+तल् रहस्यम् अस्ति । (सफलता , सफलतया , सफलतायाः)

(ग) वानरस्य चपलत्वम् बालकेभ्यः रोचते । (चपल + त्व , चपला + त्व , चपल + त्वम्)

(4) अव्ययानि

(क) मम मित्रं ----- मम गृहे आगच्छत् ।

(ख) विद्यालयात् -----सरणिः अस्ति ।

मञ्जूषा { यदा, बहिः , ह्यः, }

(5) संख्या:

(क) अस्मिन् शिविरे -----(85) प्रतिभागिनः सन्ति ।

(ख) वाटिकायाम् -----(34) आम्र-वृक्षाः सन्ति ।

(ग) तत्र -----(3) बालिकाः खेलन्ति ।

(6) प्रश्ननिर्माणं-----

(क) प्रच्छन्नभाग्य **कर्मपुरे** अवसत् ।

(ख) विधात्रा **मयूरः** पक्षिराजः कृतः ।

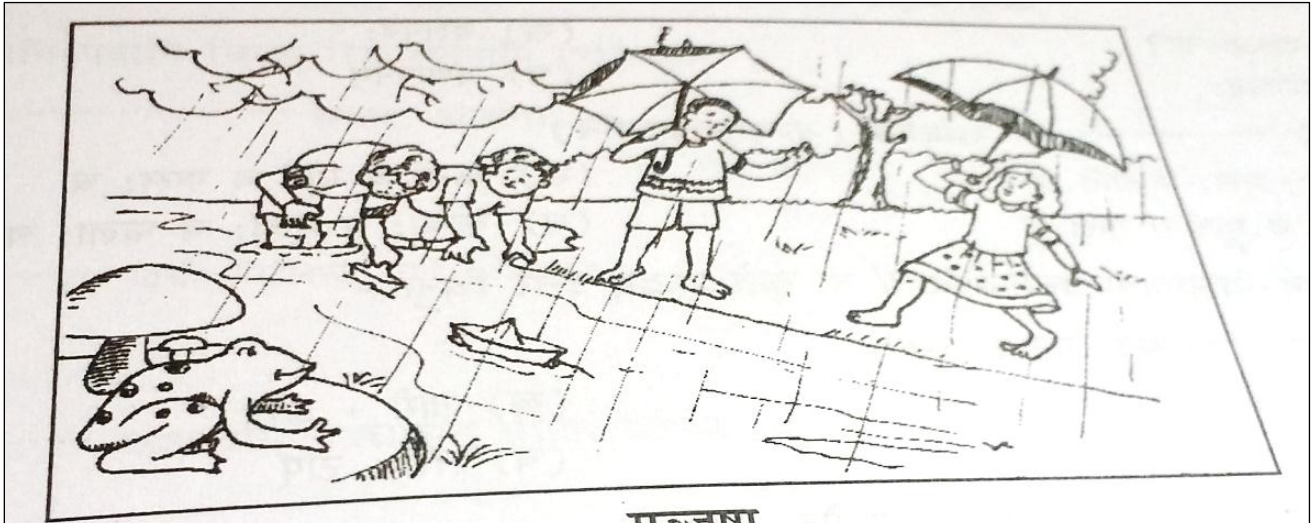
(ग) मूढमतिः **धर्मप्रदां** वाचं त्यजति ।

(घ) सः **ब्रह्मास्त्रस्य** प्रयोगं न करिष्यति ।

(7) मेलनम्

- | | |
|--------------|----------|
| (१) वाचि | मेघः |
| (२) स्वगतम् | सुशोभते |
| (३) पर्जन्यः | आत्मगतम् |
| (४) राजते | वाण्याम् |

(8) चित्रं दृष्ट्वा पञ्च वाक्यानि लिखत ।



मञ्जूषा

वर्षा, आतपात्रम्, कर्गदनौकाः, तीरे, वृक्षः, प्रसन्नाः,
सन्ति, आकाशः, धारयति, दर्दुराः

Multidisciplinary Project

Topic- Drought- Every drop counts

Subject	Description	Specific Guidelines
English	<ul style="list-style-type: none"> • Make a collage on 'Save Water, Save Life.' • Complete the story in 150-200 words. Give a suitable title to it. Sita's village didn't receive rainfall for many years. There was a drought in the village... 	<ul style="list-style-type: none"> • Make the collage attractive with pictorial illustrations on A3 Sheet • The content of the story should be grammatically correct. • Write the story in A4 sheet.
Mathematics	<ul style="list-style-type: none"> • Prepare a pie chart on regions which are more likely to be drought affected in India and analyze it by showing the percentage of water consumption every day. • Make a bar graph showing the drought in past 2 decades in India and analyze it. 	<ul style="list-style-type: none"> • Use different colours to depict different regions • Paste the graphs on A4 sheets.
Science	<ul style="list-style-type: none"> • Make a report on drought with special emphasis on the following • Use of technology in identification of crisis and its causes. • Consequences of drought. • Scientific methods to prevent drought. 	<ul style="list-style-type: none"> • Use various examples and pictures to make your report more presentable. • Make the report on A-4 ruled sheets.
Social Science	<ul style="list-style-type: none"> • On the political map of India mark the drought prone areas . • Measures taken by the government in India to improve the conditions in these regions. • Measures taken globally. 	<ul style="list-style-type: none"> • The written work should be done on A4 ruled sheets. • The maps should be colourful and they should be pasted on A4 sheets.
Hindi	<p>सूखा - प्राकृतिक आपदा (इस विषय पर मुख्य बिंदु के आधार पर एक पी.पी.टी तैयार कीजिए)</p> <p>मुख्य बिंदु : 'सूखा' - समस्या एवं समाधान : सूखा पीड़ित क्षेत्रों के चित्र : 'सूखा' से निपटने के लिए सरकारी कार्य एवं योजनाएँ</p>	<ul style="list-style-type: none"> • चित्रों का प्रयोग यथासंभव कीजिए . • A 4 शीट पर कार्य कीजिए
Work Education	The cover folder of each group's project has to be prepared creatively .	Use handmade paper and decorate it imaginatively.
Sanskrit	<ul style="list-style-type: none"> • (क) चित्राणि लेपयित्वा जलसंरक्षणस्य महत्त्वम् दशवाक्यैः प्रकटीकुर्वन्तु । • प्रदत्त-अभ्यासकार्यं कुर्वन्तु । 	A-4 पत्रस्य प्रयोगं कुर्वन्तु।

Note:

- Each group will consist of 6 students. The leader of each group will take the responsibility of planning, coordination and execution of the project
- Each member of the group has to perform the assigned tasks of one subject of the project.
- Internet, books, magazines and newspapers can be referred to, for information.
- After compilation, the projects of all subjects should be punched in a folder or a file consisting/containing A-4 ruled sheets. The first sheet of the folder should have the name, class and roll nos. of the students of the group.
- The project will be hand written and credit will be awarded to original drawings, illustrations and creative use of material.
- The multidisciplinary project which will be assessed for Formative Assessment - 4 must be submitted latest by 16th January 2017 to the class teachers.