ARMY PUBLIC SCHOOL
HOLIDAY HOMEWORK-2023-24
CLASS: XII
SUBJECT: - ENGLISH

1. Collect varied invitation formats- (formal and informal) and make a collage depicting varieties of invitations. (Be pasted in notebook) if collage is not feasible.

2. (A) Draft a job application with cover letter and complete Resume for the post of a receptionist in a school.

   (B) Make a list for Educational Qualification required for various jobs and show presentation in tabular format.

3. NOTE- Pls select one topic for your project file and prepare it well for Viva.

PROJECT 1: PLIGHT OF OLD AGE PEOPLE

Objective

About the Poetess (with photos)

Poetess' Personal Experience - Common Paradox of Human Relationships

Portrayal of Sensational Separation Between a mother and a daughter

Plight of Old Age People: Ugly Truth About Old Age (with photos) Reasons Behind the Need of Old Age Homes

Respect for Elderly Parents

Efforts for Stress-Free and Secured Life of Aged People

Visit to an Old Age Home (photos of some aged people living in such homes)

Positive and Negative Opinions of Aged People Living in Old Age Homes

How to Strike a Balance Between Duties and Responsibilities of Children and Society

Data Regarding Miserable State of Old Age People Role of Youth to Improve the Plight of Aged People

Bibliography or References

II. Conduct an interview with an old- aged person. Prepare a Questionnaire consisting of 15 questions, write answers and then prepare a report in about 800 words (maximum 7-8 pages with pictures) You can take ideas from the following links:

https://slate.com/human-interest/2018/01/interview-with-an-old-person- gary-goodson-age-82-from-idaho-falls-idaho.html

1. https://www.joincake.com/blog/questions-to-ask-old-people/
2. https://www.shaalaa.com/question-bank-solutions/imagine-you-have- interview-old-woman-who-lives-old-age-home-write-set-8-10-questions- interview-you-may-take-help-following-points-writing- skill_51308#z=HwkdIIQv

PROJECT 2: INDIGO SHARECROPPING

Objectives

What is Indigo Sharecropping? (Brief history) Natural Indigo Harvesting (pictures)

Dyeing technology (pictures) Chemical properties of indigo

Difference between Natural and Chemical indigo

Advantages of natural indigo over chemical indigo and vice versa Efforts by Gandhi to put an end to Sharecropping in Champaran Gandhi as a leader.

Bibliography

II. Conduct an interview with an Indian farmer. Prepare a Questionnaire consisting of 15 questions, write answers and then prepare a report in about 800 words (maximum 7-8 pages with pictures) You can take ideas from the following YouTube link

https://youtu.be/yX6BCY5ykBo

https://youtu.be/w1-ASNYNlKY

https://youtu.be/n0ecLUZwmbM

PROJECT 3: A ROADSIDE STAND

Objective: class inequality
Rural poor and indifferent attitude of the city dwellers
Author's Biography. (With Pictures)
Introduction, Pictorial view of a roadside stand
 Two different and incompatible worlds. (pictures)
Pitiable condition of rural poor (pictures)
Causes of gap between the rich and the poor.
Wide disparity b/w 'haves' and 'have-nots'
Role of government for uplifting them
Bibliography or References
II. Conduct an interview with a poor rural vegetable seller and a city dweller. Prepare a Questionnaire consisting of 15 questions, write answers and then prepare a report in about 800 words (maximum 7-8 pages with pictures)

PROJECT 4: ACID ATTACK: AN ATTACK ON FACE AND FUTURE

Objective

About some real cases of acid attacks in India (Any two) …. their brief stories. Photos (if possible both before and after the acid attack)
Reasons behind acid attacks
Types of acids, their use, and their availability
Effects on survivors in terms of their
mental and physical health
Psychological, and
social issues and medical effects Prevention:
Role of NGOs Regulations of acid sale
Data regarding acid attacks in India
Role and support of various celebrities towards the problem
Latest Indian movies…. brief mention
Bibliography or References
II. Conduct a survey with an acid attack victim and prepare a report in about 800 words (maximum 7-8 pages with figures and pictures) You can take ideas from the following links.
  1. https://thelogicalindian.com/exclusive/laxmi-chaapak-interview/
  2. https://www.shethepeople.tv/news/india-acid-attacks-survivors-data/

PROJECT 5: 'A THING OF BEAUTY AND IT'S ROLE IN HUMAN LIFE
Objective
About author John Keats   (pictures)
Different characteristics of nature like it's eternal, changeless, perfect
, source of true happiness, etc) (beautiful pictures of Nature)
Comparison of human life and Nature   (1page) For example:

HUMAN	NATURE
Change	Changeless
Mortal	Immortal
Death & d\Decay	Eternal

Description of beautiful things in nature like

- Rivers: Symbol of excitement, adventure, healing, never ending supply of life...

- Sun: equality, light, hope royalty, divinity, positivity power.
- Trees: lively, wisdom, prosperity, transformation...
- Animals: divine, moving, growing, fertility, happiness elegance, strength, energy wisdom....
- Flowers: purity, hope, beautiful, Innocence, humility, youthful....
- Beauty of Mighty dead: Stories of Saints and sages, their work and deeds, how they immortalized themselves '
  (Maximum 6 -7 pages with pictures)

Any 10 quotes related to the beauty of Nature.

Bibliography or References.

II. Conduct an interview with any environmentalist. Prepare a Questionnaire consisting of 15 questions, write answers and then prepare a report in about 800 words (maximum 7-8 pages with pictures)

1. https://www.indeed.com/career-advice/interviewing/environmental- interview-questions
2. https://india.mongabay.com/2021/05/interview-bittu-sahgal-young- people-want-to-protect-the-environment-but-dont-have-their-hands-on- the-wheel/

PROJECT 6 :CHILD LABOUR IN INDIA

Objective

Definition of Child Labour

Child labour: Causes and Consequences 7. Different industries where they are employed.

   Diamond Industry Bangle making Industry Firework crackers Carpet weaving Silk   manufacturing, etc.

Hazardous Working conditions and kind of injuries and diseases they suffer from Initiative against child labour by Indian government.

  Various NGOs

International Labour Organisation

. SOS Children's Village in India

The Child Labour Prohibition and Regulation Act ,1986 Statistics showing child labour in India.

 Ways to eliminate child labour.

II. Conduct an interview with any social activist working to stop Child Labour in India. Prepare a Questionnaire consisting of 15 questions, write answers and then prepare a report in about 800 words (maximum 7-8 pages with pictures)

1.https://www.researchgate.net/topic/Child-Labor

2.https://www.womensweb.in/2014/09/child-labour-in-india-suma-ravi/

SUBJECT –ACCOUNTANCY

https://drive.google.com/drive/folders/1vxc0698PiA8-ah7WoZNo7GSPP_a27YlF?usp=share_link

SUBJECT –BUSINESS STUDIES

https://docs.google.com/document/d/1M5dS6sIaF61CcTm9sCKvDR53SIOiA7Mn/edit?usp=share_link&ouid=116305516011532141099&rtpof=true&sd=true

SUBJECT –ECONOMICS

Prepare a Project File on any one of the following topics.

. Food Supply Channel in India

•Micro and Small-Scale Industries   Disinvestment policy of the government

- Contemporary Employment situation in India
- Goods and Services Tax Act and its Impact
- on GDP Health Expenditure (of any state)
- Inclusive Growth Strategy
- Human Development Index
- Trends in Credit availability in India
- Self-help group
- Role of RBI in Control of Credit
- Monetary Policy Committee and its functions
- Government Budget & Trends in budgetary condition of India its Components.
. Exchange Rate determination – Methods and Techniques
- Techniques Currency War – reasons and repercussions
- Alternate fuel – types and importance
- Livestock – Backbone of Rural India
- Golden Quadrilateral- Cost ratio benefit
- Sarva Shiksha Abhiyan – Cost Ratio Benefits
- Relation between Stock Price Index and
- Minimum Support Prices
- Economic Health of a Nation Waste Management in India – Need of the hour
  Minimum Wage Rate – Approach and Application
- Rainwater Harvesting – A solution to water
- Digital India- Step towards the future crises
- Silk Route- Revival of the past
- Vertical Farming – An alternate way
- Bumper Production- Boon or Bane for the
- Make in India – The way ahead
- farmer Organic Farming – Back to the Nature
- Rise of Concrete Jungle- Trend Analysis
- e-Rupee (e- ₹)
- Aatmanirbhar Bharat
- Sustainable Development Goals (SDG's)
- Sri Lanka's Economic Crisis
- Comparative Study of Economies
- Environmental Crisis
- (Maximum three economies) New Education Policy (NEP) 2020: A
- Promise for a New Education System G-20: Inclusive and Action Oriented
- Amrit Kaal: Empowered and Inclusive
- Economy Cashless Economy
- Any other newspaper article and its
- evaluation on basis of economic principles

4. **FMM**

MAKE A PROJECT FILE ON ANY ONE TOPIC FROM THE FOLLOWING.
1.Introduction to Indian Securities Market and Trading Membership
2. Market Reforms
3. Trading Memberships
4. Trading
5.Derivatives
6.Stock Exchange

7. Stockbrokers

Do these 10 Practical in your Practical Notebook.
(1) To verify that the relation R in the set L of all lines in a plane, defined by
   R = {(l, m) : l ^ m} is symmetric but neither reflexive nor transitive.
(2) To demonstrate a function which is not one-one but is onto.
(3) To draw the graph of $\sin^{-1}x$, using the graph of sin x and demonstrate the
   concept of mirror reflection (about the line y = x).
(4) To find analytically the limit of a function f (x) at x = c and also to check
   the continuity of the function at that point.
(5) To understand the concepts of decreasing and increasing functions.
(6) To understand the concepts of local maxima, local minima and point of inflection.
(7) To construct an open box of maximum volume from a given rectangular sheet
   by cutting equal squares from each corner.
(8) To verify that amongst all the rectangles of the same perimeter, the square has
   the maximum area.
(9) To verify that angle in a semi-circle is a right angle, using vector method.
(10) To explain the computation of conditional probability of a given event A, when
   event B has already occurred, through an example of throwing a pair of dice.

Solve the following questions:
(1) Show that $A =\begin{bmatrix} 5 & 3 \\ -1 & -2 \end{bmatrix}$ satisfies the equation $A^2 - 3A - 7I = O$ and hence find A^{-1}.
(2) Find nonzero values of x satisfying the matrix equation:
$$x\begin{bmatrix} 2x & 2 \\ 3 & x \end{bmatrix} + 2\begin{bmatrix} 8 & 5x \\ 4 & 4x \end{bmatrix} = 2\begin{bmatrix} (x^2 + 8) & 24 \\ 10 & 6x \end{bmatrix}$$
(3) $A=\begin{bmatrix} cosa & sina \\ -sina & cosa \end{bmatrix}$, then show that $A^2 = \begin{bmatrix} cos2a & sin2a \\ -sin2a & cos2a \end{bmatrix}$.
(4) Construct a 3 × 3 matrix whose elements are given by $a_{ij} = \frac{(i+2j)}{5}$
(5) If A, B are symmetric matrices of same order, then what can be said for matrix AB − BA?
(6) Express the matrix $A = \begin{bmatrix} 1 & 2 & 3 \\ -4 & -1 & 0 \\ 3 & 5 & 1 \end{bmatrix}$ as the sum of a symmetric and a skew-symmetric
matrix.
(7) Complete the following table.

Order of the matrix

A	B	A±B	AB
2 × 2	2 × 2		
2 × 3	3 × 2		
3 × 4	4 × 1		
3 × 3	3 × 3		
2 × 3		2 × 3	
	3 × 2		1 × 2
2 × 3		2 × 3	

(8) Two booksellers A and B sell the textbook of Mathematics and Applied Mathematics. In the month of march,

bookseller A sold 250 books of Mathematics and 400 books of Applied Mathematics whereas bookseller B.

sold 230 books of Mathematics and 425 books of Applied Mathematics. In the month of April, bookseller A

sold 550 books of Mathematics and 300 books of Applied Mathematics and bookseller B sold 270 books of

Mathematics and 450 books of Applied Mathematics. Represent the given information into matrix form and

Find the total sale for both the booksellers in the month of March and April, using matrix algebra.

(9) For what value of k, points P (3, -2), Q (8, 8) and R (k, 2) are collinear.

(10) If the value of a third order determinant is 11, then the value of the square of the determinant formed by

   the cofactors will be: (a.) 1331   (b). 14641   (c.) 121   (d.) 11

(11) If A is square matrix such that $A^2 = A$, then $(I + A)^3 - 7A$ is equal to

   a) 3A   b) I – A   c) A   d) I

Question No. 12 to 15 are based on the given text. Read the text carefully and answer the questions:

On her birthday, Seema decided to donate some money to the children of an orphanage home. If there were 8 children

less, everyone would have got ₹10 more. However, if there were 16 children more, everyone would have got ₹10 less.

Let the number of children be x and the amount distributed by Seema for one child be y (in ₹).

(12) The equations in terms x and y are:
   a. 5x - 4y = 40   b. 5x - 4y = 40   c. 5x + 4y = 40   d. 5x- 4y = 40
      5x - 8y = -80   5x - 8y = 80   5x - 8y = -80   5x + 8y= -80

(13) The number of children who were given some money by Seema is:
   a. 23   b. 30   c. 40   d. 32

(14) 14. How much amount is given to each child by Seema?
   a. ₹ 26   b. ₹ 32   c. ₹ 30   d. ₹ 62

15. How much amount does Seema spend in distributing the money to all the students of the Orphanage?
   a. ₹ 609   b. ₹ 960   c. ₹ 906   d. ₹ 690

(16) The principal value of following questions:

(i) $\tan^{-1}(\tan\frac{7\pi}{6})$ (ii) $\cos^{-1}(\frac{-1}{\sqrt{2}})$ (iii) $\sin^{-1}(\frac{-1}{\sqrt{2}})$ (iv)$\sec^{-1}(-\sqrt{2})$ (v)$\csc^{-1}(\frac{2}{\sqrt{3}})$

(17) Number of relations that can be defined on the set A = {a, b, c, d} is
    a. 24   b. 4^4 c. 16   d. 2^{16}

(18) Consider the non – empty set consisting of children in a family and a relation R defined as a R b if a is
    brother of b. Then R is
    a. both symmetric and transitive   b. transitive but not symmetric
    c. neither symmetric nor transitive   d. symmetric but not transitive

(19) If the set A contains 5 elements and the set B contains 6 elements, then the number of one – one and
    onto mappings from A to B is
    a. none of these   b. 720   c. 120   d. 0

(20) Consider the mapping f: A→ B is defined by f(x) = $\frac{x-1}{x-2}$ such that f is a bijection.
    (i) Domain off is
    a. R - {0}   b. R - {2}   c. R - {1, 2}   d. R
    (ii) Range of f is
    a. R   b. R - {1, 2}   c. R - {1}   d. R - {0}

(21) Use the product $\begin{bmatrix} 1 & -1 & 2 \\ 0 & 2 & -3 \\ 3 & -2 & 4 \end{bmatrix}\begin{bmatrix} -2 & 0 & 1 \\ 9 & 2 & -3 \\ 6 & 1 & -2 \end{bmatrix}$ to solve the system of equations.
    x – y + 2z = 1 ,   2y - 3z = 1 , 3x – 2y + 4z = 2

(22) The sum of three numbers is 6. If we multiply third number by 3 and add second number to it, we get 11. By adding.
    first and third numbers, we get double of the second number. Represent it algebraically and find the numbers using.
    matrix method.

(23) Let A be a non-singular square matrix of order 3 X 3. Then $|adjA|$ is equal to
    (a) $|A|$ (b)$|A|^2$ (c) $|A|^3$ (d) $|A|$

SUBJECT: - HINDI

1.   पाठ्यक्रम की कोई भी एक कविता याद करके तथा उसका वीडियो बनाकर मुझे व्यक्तिगत प्रेषित करें । (कविता डेढ़ मिनट से पाँच मिनट) (वाचन-कौशल अभ्यास)

2.   'परीक्षा-तनाव के कारण व बचने के उपाय' या 'डिजिटल युग और मैं' में से किसी एक विषय पर रचनात्मक लेख लिखिए। (शब्द-सीमा 120 शब्द)

3.   भक्तिन पाठ का नाट्य-रूपांतरण करें । (शब्द सीमा 100 शब्द)

4.   अभिव्यक्ति और माध्यम' पुस्तक से पाठ संख्या 3, 4 और 5 से पाँच-पाँच बहुविकल्पी प्रश्न और उत्तर करने ।

5.   निम्नलिखित में से कोई दो फ़िल्में देखिए और उनसे मिलने वाली पाँच प्रमुख शिक्षाएँ लिखिए :—

i :- https://youtu.be/gZy4vIGf7MY
        I am kalam.
ii :- https://youtu.be/CPXkijYI9Y0
        Chalk n duster
iii :- https://youtu.be/epKzi21TRN8
        उम्मीद (लघु फ़िल्म)
iv - https://youtu.be/OnhZDZXzBz4
        रद्दी लाइब्रेरी (लघु फ़िल्म)

6. पत्रकार कितने प्रकार के होते हैं!? नाम व परिभाषा लिखिए।

7.पाठ्य-पुस्तक में विद्यमान किसी भी कवि/लेखक पर परियोजना तैयार करें । (कवि/लेखक का परिचय, रचनाओं के नाम व रचनाओं का संक्षिप्त परिचय , पुरस्कार, आपका कवि /लेखक के बारे में विचार , उनकी रचना पर टिप्पणी और उन कवि /लेखक का काल्पनिक साक्षात्कार व अन्य यदि कुछ आपको उचित लगे) (A4 साइज़ पेपर में) (कम-कम पच्चीस पृष्ठों में यह कार्य करें ।)

8. अभी तक जो भी पढ़ाया गया है, उसको कम-से कम पाँच बार दोहराएँ। आते ही उसी से प्रश्न पूछे जाएँगे।

9. रेडियो नाटक किसे कहते हैं? संक्षिप्त परिचय उदाहरण सहित ।

10. कला समेकित परियोजना :— पुदुच्चेरी नुक्कड़ नाटक, ग्रामीण संस्कृति एवं उनकी विशेषताएँ (पीपीटी व वीडियो) (Art Integrated Project)

SUBJECT: PHYSICAL EDUCATION

- Make One major Game (Football, Basketball, Athletics, Handball & Badminton_) File with measurement.