

D.A.V. CENTENARY PUBLIC SCHOOL, ROHTAK

INSTRUCTIONS

* Q1 is to be written in the English notebook.

*Holidays' homework is to be submitted to the English teacher on the first day the school reopens after summer break.

1..Write three examples of each of the following topics-

- ❖ Notice
- ❖ Letter to Editor (Suggestions/ opinions)
- ❖ Job Applications

2.Text Book

Learn & do written practice of the text book syllabus covered before holidays.

3. Art Integrated Learning

Prepare a documentary in form of ppt (10-15 slides) on the topics allotted as per Roll Nos

(may be in group of 5-6 students)

- A nation is dumb without its mother tongue. (Context- Ch. 1- The Last Lesson) R.No. 1-15
- Show a child –love & care, child labour is not just fair. (Context- Ch.2- Lost Spring) R.No. 16-30
- Fall Seven Times , Stand Up Eight. (Context- Ch. 3- Deep Water) R. No. 31- 41
- Dream Big, Work Hard and Achieve Your Goal . R. No. 41- All Remaining

4.ALS

- Do English speaking& listening practice on regular basis for your best performance in ASL (Assessment of Speaking & Listening)& improvement of communication skills.

- Read Editorial Page of any English Newspaper and watch at least one English News Bulletin daily to improve your linguistics skills.

5 .ASL Project Work

- Create your Whatsapp groups.
- Do the initial planning& select a suitable topic.
- Bring out your project idea.
- Do the work distribution
- Prepare an overview / layout of your project.

PHYSICS

1. Solve all the given assignment (chap-1, chap- 2 in separate note book)
2. Solve all the internal and external numerical from NCERT book (chap-1, chap-2)
3. Complete practical file with 2 experiments
Ohms law experiment, meter bridge

Chemistry

Kindly Note: -

1. The homework should be in very neat handwriting.
2. Try to use homemade or used material left at home to complete homework, to avoid moving out of home.
3. Avoid mobile, laptop or computer usage in holidays. Enjoy the holidays its vacation time not burden time.
4. Try to speak sentences in English language more at home to improve your pronunciation.
5. Read a loud page of Newspaper or a story regularly.
6. Clean your home and take care of your personal hygiene.
7. Help your parent in household work .
8. Sit for 15 minutes with parents for interaction or discussion on any topic.
9. Love nature & try to saw a seed and see it growing.
10. Exercise daily for 30 minutes with your family member.
11. Make schedule of whole day.
12. Eat healthy to increase immunity of your body.
13. Increase aesthetics values at home.
14. Try to help who is in need at this difficult time.
15. Watch News daily.
16. Stay home, stay safe.

CHEMISTRY ?

? SOLUTIONS (ASSIGNMENT) and ASSIGNMENT of ELECTROCHEMISTRY

☞ COMPLETE Chemistry FILES

? Activities:-

Explain and Make a video of any topic of chemistry

Subject Biology

1. Write experiments of section A and section B in Biology practical file.
2. Prepare investigatory report according to the topics allotted in the class. Also do case studies in investigatory report.
3. Do MCQs of assignments and write the key in your nite book.
4. Write question answers of NCERT text exercise.

CORE-MATHEMATICS)

1-Revise chapters 1,2,3,4,5,6 from Elements of Mathematics.

2-Do the assignments attached below on a separate notebook.

Assignment-1

- 1 Total number of possible matrices of order 2×3 with each entry 1 or 2 is
- 2 This matrix $\begin{bmatrix} 0 & -5 & 8 \\ 5 & 0 & 12 \\ -8 & -12 & 0 \end{bmatrix}$ is
- 3 If $\begin{bmatrix} x+y & 2 \\ 5 & xy \end{bmatrix} = \begin{bmatrix} 6 & 2 \\ 5 & 8 \end{bmatrix}$, then the value of $y+x$ is
- 4 If $A = [a_{ij}]$ is matrix of order 2×2 where $a_{ij} = i + j$ then A is equal to
a) $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ b) $\begin{bmatrix} 2 & 3 \\ 3 & 4 \end{bmatrix}$ c) $\begin{bmatrix} 1 & 1 \\ 2 & 2 \end{bmatrix}$ d) $\begin{bmatrix} 1 & 2 \\ 1 & 2 \end{bmatrix}$
- 5 If A is the matrix of order $m \times n$ and B is a matrix such that AB' and $B'A$ are both defined, the order of B is
a) $m \times m$ b) mn c) $n \times m$ d) $m \times n$
- 6 If $A = \begin{bmatrix} 5 & x \\ y & 0 \end{bmatrix}$ and $A = A'$ Then
a) $x=0, y=5$ b) $x=5, y=0$ c) $x=y$ d) $x=1, y=1$
- 7 If A is symmetric and skew symmetric matrix, then it is a
a) Rectangular matrix b) null matrix c) identity matrix d) scalar matrix
- 8 If $A = \begin{bmatrix} 2 & -3 & 5 \\ 6 & 0 & 4 \\ 1 & 5 & -7 \end{bmatrix}$, then the cofactor of a_{12} is

a)40

b)46

c)42

d)-46

9 Solve for x ; $\begin{bmatrix} 1 & x \end{bmatrix} \begin{bmatrix} 2 & -1 \\ 1 & 2 \end{bmatrix} \begin{bmatrix} 1 \\ 3 \end{bmatrix} = 0$

10 If $A = \begin{bmatrix} 0 & 2 & 0 \\ 0 & 0 & 3 \\ -2 & 2 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 & 3 \\ 3 & 4 & 5 \\ 5 & -4 & 0 \end{bmatrix}$ then find the element of third row and

third Column in AB.

11 If A is a square matrix of order 3×3 and $|A| = 2$, then the value of $|3A|$ is

a)27

b)6

c)18

d)54

12 If $A = \begin{bmatrix} 1 & 2 \\ 3 & -1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 3 \\ -1 & 1 \end{bmatrix}$, then the value of $|AB|$ is

a)28

b)-28

c)56

d)-56

13 For what value of x , the following matrix is singular $\begin{bmatrix} 3 & -2x & x+1 \\ 2 & & 4 \end{bmatrix}$

a)0

b)1

c)-1

d)2

14 Find matrix X Satisfying the matrix equation

$$\begin{bmatrix} 2 & 1 \\ 3 & 2 \end{bmatrix} X \begin{bmatrix} -3 & 2 \\ 5 & -3 \end{bmatrix} = \begin{bmatrix} 1 & 2 \\ 2 & -1 \end{bmatrix}$$

15 Find the value of x, y and z If the matrix

$$A = \begin{bmatrix} 0 & 2y & z \\ x & y & -z \\ x & -y & z \end{bmatrix} \text{ satisfy the equation } A^{-1}A = I \text{ Where } I \text{ is identity matrix}$$

16 Solve the system of equations $2X - 3Y + 5Z = 11$

$$3X + 2Y - 4Z = -5$$

$$X + Y - 2Z = -3$$

17 The matrix $\begin{bmatrix} 5 & 10 & 3 \\ -3 & -1 & 6 \\ -1 & -2 & b \end{bmatrix}$ is singular matrix. Find the value of b

18 If A is a square matrix of order 3 and $|adj A| = 36$ Then find the value of $|2A|$

19 If $A = \begin{bmatrix} 1 & -1 \\ 2 & 1 \end{bmatrix}$, $B = \begin{bmatrix} a & 1 \\ b & -1 \end{bmatrix}$ and $(A+B)^2 = A^2 + B^2$

Then find the values of a and b .

20 If $\begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & -2 \\ a & 2 & b \end{bmatrix}$ is a matrix such that $AA' = 9I_3$, Then find the values of a and b .

21 Find the Matrix X , $X \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{bmatrix} = \begin{bmatrix} -7 & -8 & -9 \\ 2 & 4 & 6 \end{bmatrix}$

22 If $A = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & -3 \\ 2 & -1 & 3 \end{bmatrix}$, Find A^{-1} and use it to solve the system of equations

$$X + Y + 2Z = 0$$

$$X + 2Y - Z = 9$$

$$X - 3Y + 3Z = -14$$

Assignment-2

Relation & Functions

- In each of the following cases, state whether the function is one-one, onto or bijective. Justify your answer.
(i) $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = 3 - 4x$ (ii) $f: \mathbb{R} \rightarrow \mathbb{R}$ defined by $f(x) = 1 + x^2$
- Show that the function f in $A = \mathbb{R} - \left\{\frac{2}{3}\right\}$ defined as $f(x) = \frac{4x+3}{6x-4}$ is one-one.
- If $A = \mathbb{R} - \{3\}$ and $B = \mathbb{R} - \{1\}$. Consider the function $f: A \rightarrow B$ defined by $f(x) = \frac{x-2}{x-3}$ for all $x \in A$. Then show that f is bijective.
- Show that the function $f: \mathbb{R} \rightarrow \mathbb{R}$ defined as $f(x) = x^2$ is neither one-one nor onto.
- Check whether the relation R in \mathbb{R} defined by $R = \{(a, b) : a \leq b^3\}$ is reflexive, symmetric or transitive.

Inverse Trigonometric Functions

- Write the principal value of $\cos^{-1}\left(\cos\frac{7\pi}{6}\right)$
- Simplify: $\tan^{-1}\left[2 \cos\left\{2 \sin^{-1}\left(\frac{1}{2}\right)\right\}\right]$
- Prove that: $\tan\left\{\frac{1}{2} \cos^{-1}\frac{\sqrt{5}}{3}\right\} = \frac{3-\sqrt{5}}{2}$
- Prove that: $\sin[\cot^{-1}\{\cos(\tan^{-1}x)\}] = \sqrt{\frac{x^2+1}{x^2+2}}$

Matrices & Determinants

- If A is a square matrix of order 3, $|A'| = -3$, then $|AA'| = ?$
- For what value of x , the matrix $\begin{bmatrix} 5-x & x+1 \\ 2 & 4 \end{bmatrix}$ is singular?
- If A is a square matrix of order 3 such that $|\text{adj } A| = 64$, find $|3A|$
- If A is a square matrix of order 3 and $|3A| = K|A|$, then write the value of K
- If A is a square matrix of order 3 such that $|\text{adj } A| = 225$, find $|A'|$

15. Express $A = \begin{bmatrix} 2 & 3 & 1 \\ 4 & 2 & 1 \\ 5 & -4 & -2 \end{bmatrix}$ as sum of symmetric and skew symmetric matrices.
16. If $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$, then find the value of $A^2 - 3A + 2I$.
17. If $A = \begin{bmatrix} 1 & -2 & 3 \\ -4 & 2 & 5 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 3 \\ 4 & 5 \\ 2 & 1 \end{bmatrix}$ and $BA = (b_{ij})$, find $b_{21} + b_{32}$.

4

18. If Matrix $A = \begin{bmatrix} 0 & 2b & -2 \\ 3 & 0 & -3 \\ 3a & 3 & 0 \end{bmatrix}$ is skew-symmetric, find the values of a and b .

Continuity and Differentiability

19. (a) If $f(x) = \begin{cases} \frac{1-\cos 4x}{x^2}, & \text{if } x < 0 \\ a, & \text{if } x = 0 \\ \frac{\sqrt{x}}{\sqrt{16+\sqrt{x}}-4}, & \text{if } x > 0 \end{cases}$ is continuous at $x = 0$, Find the value of 'a'
- (b) Find value of 'k' for which $f(x) = \begin{cases} \frac{1-\cos 4x}{8x^2}, & \text{if } x \neq 0 \\ k, & \text{if } x = 0 \end{cases}$ is continuous at $x=0$.
- (c) Find the value of 'k' for which $f(x) = \begin{cases} \frac{1-\cos kx}{x \sin x}, & \text{if } x \neq 0 \\ \frac{1}{2}, & \text{if } x = 0 \end{cases}$ is continuous at $x=0$.

APPLIED-MATHEMATICS

1-Revise chapters 1,2,3,5,6,7 from Elements of Mathematics.

2-Do the assignments attached below on a separate notebook.

Assignment-CHAPTER (5)

- 1 Total number of possible matrices of order 2×3 with each entry 1 or 2
- 2 This matrix $\begin{bmatrix} 0 & -5 & 8 \\ 5 & 0 & 12 \\ -8 & -12 & 0 \end{bmatrix}$ is -----
- 3 If $\begin{bmatrix} x+y & 2 \\ 5 & xy \end{bmatrix} = \begin{bmatrix} 6 & 2 \\ 5 & 8 \end{bmatrix}$, then the value of $y+x$ is
- 4 If $A = [a_{ij}]$ is matrix of order 2×2 where $a_{ij} = i + j$ then A is equal to
 - a) $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$
 - b) $\begin{bmatrix} 2 & 3 \\ 3 & 4 \end{bmatrix}$
 - c) $\begin{bmatrix} 1 & 1 \\ 2 & 2 \end{bmatrix}$
 - d) $\begin{bmatrix} 1 & 2 \\ 1 & 2 \end{bmatrix}$
- 5 If A is the matrix of order $m \times n$ and B is a matrix such that AB' and $B'A$ are both defined, the order of B is
 - a) $m \times m$
 - b) mn
 - c) $n \times m$
 - d) $m \times n$
- 6 If $A = \begin{bmatrix} 5 & x \\ y & 0 \end{bmatrix}$ and $A = A'$ Then
 - a) $x=0, y=5$
 - b) $x=5, y=0$
 - c) $x=y$
 - d) $x=1, y=1$
- 7 If A is symmetric and skew symmetric matrix, then it is a
 - a) Rectangular matrix
 - b) null matrix
 - c) identity matrix
 - d) scalar matrix
- 8 If $A = \begin{bmatrix} 2 & -3 & 5 \\ 6 & 0 & 4 \\ 1 & 5 & -7 \end{bmatrix}$, then the cofactor of a_{12} is
 - a) 40
 - b) 46
 - c) 42
 - d) -46
- 9 Solve for x ; $\begin{bmatrix} 1 & x \end{bmatrix} \begin{bmatrix} 2 & -1 \\ 1 & 2 \end{bmatrix} \begin{bmatrix} 1 \\ 3 \end{bmatrix} = 0$
- 10 If $A = \begin{bmatrix} 0 & 2 & 0 \\ 0 & 0 & 3 \\ -2 & 2 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 & 3 \\ 3 & 4 & 5 \\ 5 & -4 & 0 \end{bmatrix}$ then find the element of third row and third Column in AB.

Assignment:-Chapter(6)

- 1 If A is a square matrix of order 3×3 and $|A| = 2$, then the value of $|3A|$ is
- a)27 b)6 c)18 d)54
- 2 If $A = \begin{bmatrix} 1 & 2 \\ 3 & -1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 3 \\ -1 & 1 \end{bmatrix}$, then the value of $|AB|$ is
- a)28 b)-28 c)56 d)-56
- 3 For what value of , the following matrix is singular $\begin{bmatrix} 3 - 2x & x + 1 \\ 2 & 4 \end{bmatrix}$
- a)0 b)1 c)-1 d)2
- 4 The value of the determinant $\begin{vmatrix} 1 & a & b + c \\ 1 & b & c + a \\ 1 & c & a + b \end{vmatrix}$ is
- a)1 b)0 c) a+b d) a-b
- 5 The value of the determinant $\begin{vmatrix} x + 4 & 2x & 2x \\ 2x & x + 4 & 2x \\ 2x & 2x & x + 4 \end{vmatrix}$ is
- a)(x + 4)(4 - x) b)(5x + 4)(4 - x) c)(5x + 4)(4 - x)² d)(x + 4)(4 - x)²
- 6 If $A = \begin{bmatrix} \alpha & 2 \\ 2 & \alpha \end{bmatrix}$ and $|A^3| = 125$ then find the value of α .
- 7 If A is a square matrix of order 3 such that $|A|=2$, Then find the value of $|adj(adjA)|$
- 8 The value of k using determinant in ΔABC where A(1,3) , B(0,0) and C(k,0) are
- Given and $ar(\Delta ABC) = 3$ sq units.
- 9 Prove that $\begin{vmatrix} a^2 & bc & ac + c^2 \\ a^2 + ab & b^2 & ac \\ ab & b^2 + bc & c^2 \end{vmatrix} = 4a^2b^2c^2$
- 10 If $A^{-1} = \begin{bmatrix} 3 & -1 & 1 \\ -15 & 6 & -5 \\ 5 & -2 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 & -2 \\ -1 & 3 & 0 \\ 0 & -2 & 1 \end{bmatrix}$, Find $(AB)^{-1}$

ASSIGNMENT-CHAPTER(1,2)

- 1 The value of $(486+729)\text{mod}12$ is equal to
- 2 The value of $(186 \times 93)\text{mod}7$ is equal to
- 3 The value of $3^{16}(\text{mod}4)$ is equal to

- 4 Find the last two digits of 4895×6789
- 5 The value of $6^{12} \pmod{7}$ is equal to
- 6 A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream
- 7 In a race of 200 m, B can give a start of 10 m to A and C can give a start of 20 m to B. The start that C can give to A in the same race is
- 8 In what ratio must a grocer mix two varieties of tea worth Rs.180 per kg and Rs.200 per kg respectively so as to get a mixture worth Rs.216.20 ,he may gain 15%
- 9 Find the remainder when $(512 \times 398 \times 114 \times 756)$ is divided by 5.
- 10 Find the remainder when 2^{102} is divided by 5
- 11 In what ratio must rice at Rs18.60per kg be mixed with rice atRs21.60 per kg so that the mixture be worth Rs 20 per kg.
- 12 Kritika can row her boat a speed of 5 km/hr in still water. If it takes her 1 hour more to row the boat 5.25 km. upstream then to return downstream, find the speed of the stream
- 13 Milk and water in two vessels A and B are in the ratio 4 : 3 and 2 : 3 respectively. In what ratio the liquids in both the vessels should be mixed to obtain a new mixture in vessel C containing half milk and half water?
- 14 A certain tank can be filled by pipe A in 12 minutes . pipe B can empty the tank in 18 minutes . If both pipes are open ,then the time it takes to fill the tank
- 15 In a 500 m race, A defeats B by 60 meters (or) 12 seconds. What is the time taken by A to complete the race?
- 16 A pump can fill a tank with water in 2 hours. Because of a leak in the tank, it takes $2\frac{1}{3}$ hours to fill the tank. The leak will be empty the filled tank in what time?

ASSIGNMENT-CHAPTER(3)

Two real numbers or two algebraic expressions connected by the sign $<$, $>$, \leq or \geq is called an inequality.

1. Solve the inequality $3-2x \geq x-32$, given that a) $x \in \mathbb{N}$ b) $x \in \mathbb{I}$
2. Solve the inequality $5x - 3 < 3x + 1$ when a) x is an integer and b) x is a real number.
3. Solve the following inequalities for real x :
 - i. $3(2-x) \geq 2(1-x)$
 - ii. $\frac{2x-1}{3} \geq \frac{3x-2}{4} - \frac{2-x}{5}$
 - iii. $\frac{2x+1}{3} \geq \frac{3x-2}{5}$
4. Solve the following system of linear inequalities :
 $2(2x+3) - 10 < 6(x-2), \frac{2x-3}{4} + 6 \geq 4 + \frac{4x}{3}$
5. Solve the following inequalities , also represent the solutions on the number line.
 - i. $2x - 5 \leq 5x + 4 < 11$
 - ii. $2x - 3 < 5x + 3 < 2x + 3$
 - iii. $2x - 3 \geq x + \frac{1-x}{3} > \frac{2x}{5}$.
 - iv. $\frac{x}{4} < \frac{5x-2}{3} - \frac{7x-3}{5}$
6. Solve the following inequalities graphically :
 - i. $x - 2y \geq 0, 2x - y + 2 \leq 0, x \geq 0$
 - ii. $-3x + 2y \leq 3, 2x + 3y < 12, 2x + 3y \geq 6$
 - iii. $x + 2y \leq 0, 3x + 4y \geq 12, x \geq 0, y \geq 1$.

Accountancy

Complete the assignment given in modules No. 1,2,3 and 4

Prepare a comprehensive Project based on CBSE guidelines. details are as under

Sequence of the project:-

1. Front page : to be printed on glossy paper
2. Certificate : To be Printed on glossy paper
3. Acknowledgement
4. Index
5. contents

Instructions:

1. Use A4 size plain or one sided ruled paper
 2. Matter should be written on one side of the paper and formatted.
 3. Leave one inch margin on the left hand side for spiral binding
 4. Project should be neat and systematically presented.
 5. Excessive colourful and adorned projects will not be accepted.
 6. Only certificate and company's financial statements can be machine printed but rest of the papers should be handwritten
 7. Financial statements of company should be any of last three recent years
- Select any 10 well known companies and write its Tag line, brand ambassador, logo, CEO

Subject: Business Studies

- **Revise Unit 1- Nature and Significance of Management**
- **Unit 2 Principles of Management**
- **Unit 3 Business Environment**
- **Do the Assignment shared in whats app group**
- **Write any 10 Business news for 10 consecutive days.**
- **Do any one Project from the following topics:**

Project 1- Make a Project Report on the “Changing Role of the Women in the past 25 years relating to joint families, nuclear families, women as a bread earner of the family, changes in the requirement trend of mixers, washing machines, microwaves and standard of living.”

OR

Project 2- Make a project report on” Changes witnessed over the last few years on mode of packaging and its economic impact”.

OR

Project 3- Effect of changes in technological environment on the behaviour of employee.

OR

Project 4- Principles of Management.

The students are required to visit any one of the following:

1. A departmental store.
2. An Industrial unit.
3. A fast food outlet.
4. Any other organisation

And observe the application of the general Principles of management advocated by Fayol.

ECONOMICS

- **Do exercise Ch - 1 to 6.**
- **Do 50 numerical of National Income Account.**
- **Make a chart showing Conversion Table & different Aggregate of NY.**
- **Make a chart showing Import dates & events for Indian Economy.**

Subject-History

1. Recall and Revise

Learn Ch.1,2,3 & 4

2. Explore and Elaborate

Read all sources of Ch1,2,3&4. Also frame at least three questions/answers from each source.

3. Analyse and Answer

Do the given assignment of Ch.1,2,3&4 in a fair notebook.

4. Locate and Label

On an outline map of India mark the sites mentioned in Map List. (prescribed by CBSE)

5. Research and Review

(Project work)

Make a project file on given topics (Already assigned to students) General instructions:-

- No. of pages should be 15-20.
- File should be well bound.
- Pages should be placed in following order-
Titlepage-Certificate-Acknowledgement-Index-Project-Content-Questionnaire
-Bibliography-Conclusion page.
- The Project file must contain graphs, maps, pictures, pie charts and sketches.

Subject- Geography

1. Recall and Revise

Learn Ch.1,2,3 & (fundamentals of human geography)

Learn chapter-1 and 2 (Unit-1 : INDIA PEOPLE AND ECONOMY)Ch-1 :

Population, Distribution, Density, growth and composition Ch-2 Human settlements

2. Explore and Elaborate

Read all sources of Ch1,2,3. Also frame at least three questions/answers from each source.

3. Analyse and Answer

Do the given assignment of Ch.1,2,3 in a fair notebook.

4. Locate and Label

On an outline map of India mark the sites mentioned in Map List. (prescribed by CBSE)

State with highest population density and state with lowest population density (2011)

5. Research and Review(Project work)

Make a project file on given topics (Already assigned to students) General instructions:-

- No. of pages should be 15-20.
- File should be well bound.

XII PRACTICAL1.pdf (Data- its source and compilation Ch-1) Practical

12th ch2.pdf (Data processing Ch-2)

डी० ए० वी० शताब्दीपब्लिकस्कूल, रोहतक

ग्रीष्मकालीनअवकाशगृहकार्य - 2023-24

कक्षा - बारहवीं (हिंदी-कोर)

1. पाठ्यक्रम की कोई भी एक कविता याद करके तथा उसका वीडियो बनाकर मुझे व्यक्तिगत प्रेषित करें।
(कविताडेढ़मिनटसेपाँचमिनट) (वाचन-कौशलअभ्यास)
2. 'परीक्षा-तनावकेकारणवबचनेकेउपाय' या 'डिजिटलयुगऔरमैं' मेंसेकिसीएकविषयपररचनात्मकलेखलिखिए। (शब्द-सीमा 120 शब्द)
3. आरोहभाग-2 :पाठ -1,2,3,4,11,12,13,14,पढ़करकाव्यांशवगद्यांशआधारितप्रश्नोत्तरकाअभ्यासकरिये।
4. 'अभिव्यक्तिऔरमाध्यम' पुस्तकसेपाठसंख्या 3, 4 और 5 सेपाँच-पाँचबहुविकल्पीप्रश्नऔरउत्तरलिखिए।
5. निम्नलिखितमेंसेकोईदोफ़िल्मेंदेखिएऔरउनसेमिलनेवालीपाँचप्रमुखशिक्षाएँलिखिए:

○ <https://youtu.be/gZy4vIGf7MY>

I am kalam

○ <https://youtu.be/CPXkijYI9Y0>

Chalk n duster

○ <https://youtu.be/a1G1Sg3-g2g>

Taarezameen par

○ <https://youtu.be/l3Sgdk88gH4>

Baghban

○ <https://youtu.be/epKzi21TRN8>

उम्मीद (लघुफ़िल्म)

- <https://youtu.be/OnhZDZXzBz4>

रद्दीलाइब्रेरी (लघुफ़िल्म)

परियोजनाकार्य

परियोजनाकार्यकरतेसमयनिम्नलिखितआधारकोअपनायाजासकताहै

1. प्रमाण - पत्र
2. आभारज्ञापन
3. विषय – सूची
4. उद्देश्य
5. समस्याकाबयान
6. परिकल्पना
7. प्रक्रिया (साक्ष्यसंग्रह , साक्ष्यकाविश्लेषण)
8. प्रस्तुतीकरण (विषयकाविस्तार)
9. अध्ययनकापरिणाम
10. अध्ययनकीसीमाएँ
11. स्रोत
12. अध्यापक टिप्पणी

परियोजना - कार्यकेकुछविषयसुझावात्मकरूपमेंदिएजारहेहैं।

भाषाऔरसाहित्यसेजुड़ेविविधविषयों / विधाओं / साहित्यकारीसमकालीनलेखनकेआधारपर:

- हिंदीकवितामेंप्रकृतिचित्रण (पाठ-उषा,बगुलोंकेपंखकविता)
- विभिन्नकवियोंकीकविताओंकातुलनात्मकअध्ययन
- भाषाशैली , विशेषताएँ
- वर्तमानकेसाथप्रासंगिकताइत्यादि।
- भारतीयग्रामीणकाजीवन (पाठ- पहलवानकीढोलक)
 - आजादीसेपहले , बादमेंतथावर्तमानमेंस्थिति
 - सुधारकीआवश्यकताएँ
 - आपकीभूमिका / योगदान / सुझाव
- समकालीनविषय
 - G-20औरभारत
- भूमिका - क्याहै, क्योंहैआदिकाविवरण
- विभिन्नदेशोंमेंप्रभाव
- भारतकेसाथतुलनात्मकअध्ययन
- कारणऔरनिवारण
- आपकीभूमिका / योगदान / सुझाव

उपर्युक्तविषयसुझावकेरूपमेंप्रस्तुतकिएगएहैं।आपदिशानिर्देशोंकेआधारपरअन्यविषयोंकाचयनकरसकतेहैं।

आपसभीस्वस्थरहें , मस्तरहें , खुशरहें

Political Science

Holidays Homework

- 1. Read chapter-1.**The End of Bipolarity
Chapter-2. Contemporary Centres of Power
Chapter- 3. Contemporary South Asia
Chapter-4. International Organizations
Chapter-5. Security in the Contemporary World
Chapter-6. Environment and Natural Resources
Chaptre-7. Globalisation
- 2. Learn Book exercises and extra exercises of** 1.The End of Bipolarity
Chapter-2. Contemporary Centres of Power
Chapter- 3. Contemporary South Asia
- 3. Prepare any one project and any one power point presentation on any one chapter of ‘Contemporary World Politics’ and ‘Politics in India since Independence’.**
- 4. Find out the answers of the following assignments and write the answer any Political Science note book.**

Ch.1. the End of Bipolarity

1. What was the soviet system?
2. Critically examine the soviet system.
3. Describe the role of Mikhail Gorbachev in the disintegration of USSR.
4. Why did the Soviet Union disintegrate?
5. Describe the consequences or impact of the disintegration of USSR.
6. Define shock therapy. Explain the main features of shock therapy.
7. Explain the impact of shock therapy.
8. Describe the tensions and conflicts done after the disintegration of USSR.
9. Explain the relationship between India and Post-communist countries.

Ch. 2 Alternative Centers of Power

1. Describe the process of the formation of the European Union.
2. Describe the achievements of the European Union.
3. Critically examine the European Union.
4. Explain the circumstances in which ASEAN was established.
5. Explain the achievements of ASEAN.
6. Why do super powers want to negotiate with ASEAN?

7. How did Chinese Economy rise to power?
8. Describe the achievements of the Chinese economy.
9. Describe the drawbacks of the Chinese economy.
10. Explain the relationship between India and China.

Ch. 3 Contemporary South Asia

1. What is south Asia? Explain.
2. Describe the military and democracy establishment in Pakistan.
3. Describe the struggle for democracy in Bangladesh.
4. Explain the struggle between monarchy and democracy in Nepal.
5. Discuss the ethnic conflict between Tamils and Sinhala in Sri Lanka.
6. Describe the conflicts between India and Pakistan.
7. Explain the relationship between India and its neighbours.
8. Describe the process of establishment and achievements of SAARC.

Chapter-4 International Organisations

1. Why do we need international organisations? Explain.
2. Write a short note on IMF, World Bank, WTO, IAEA, Amnesty International and Human Rights Watch.
3. Describe the process of the establishment of UN and also explain its organs and agencies.
4. Discuss conference done for the establishment of UNO. **OR** Describe the process before the existence of UNO.
5. Explain the resolution adopted by general assembly for Security Council in 1992.
6. Describe some of the criteria that have been proposed for new permanent and non – permanent members of the Security Council on 1st January, 1997.
7. Critically examine the main characteristics of Security Council.
8. Describe the steps taken by member's countries of UNO to make it more relevant.
9. Explain the relationship between India and UN.
10. India itself also wishes to be a permanent member in a restructured UN. Explain.
11. Despite India's wish to be a permanent member of the UN, some countries question its inclusion. Explain.
12. Describe the role of UNO in a unipolar world.

Chapter-5. Security in the Contemporary World

1. What is security? Explain.

2. Describe the external notions of traditional security.
3. Explain the internal notions of the traditional security.
4. What were the external threats facing by powerful countries of the world? Explain.
5. Describe the security challenges faced by the newly independent countries of Asia and Africa.
6. Explain the traditional security and cooperation.
7. Discuss the non – traditional notions of security.
8. Explain the new sources of treats to security.
9. Why do we need cooperative security?
10. Explain India's security strategy.

Chapter-6. Environment and Natural Resources

1. Describe the environment concerns in global politics.
2. What were the outcomes of the Rio Summit?
3. What is meant by the global commons? How are they exploited and polluted?
4. What is meant by common but differentiated responsibilities? How can we implement the idea?
5. Describe the common property resources.
6. Explain India's stand on environmental issues.
7. Discuss the sacred groves in India.
8. Describe the environmental movements occurred in different countries.
9. Describe the conflicts and geopolitics on different natural resources.
10. Explain the conditions and rights of the indigenous people.

Chapter-7. Globalization

1. Describe the impact of globalization by giving some examples.
2. Explain the causes of globalization.
3. Explain the political, economic and cultural impacts of globalization.
4. How has globalization impacted on India and how is India in turn impacting the globalization.
5. Why is there a need to resist the globalization?
6. Why and how does Indian resist the globalization?

Class 12 Music Holidays Homework

:- Make project file containing following topics -

1. Any two definitions
2. Any two raag (with parichey)
3. Any two taal (ekgun, dugun, tigung, chogun)
4. Any 2 Classical dancers (with images)
5. Any 2 Classical instruments (with images)
6. Biography (with images)
7. Tanpura (with image)

Subject: Painting (Fine Arts)

- ❖ Complete A2 file cover page with proper inside sheet with your creativity.
- ❖ Draw only Indian folk art on canvas/ full cartridge sheet with any medium of your choice.
- ❖ Frame MCQ/ one word question-answers of Mughal School of Art

Subject : Informatics Practices

1. Fill in the blank of given code, if the output is 71.

```
import pandas as pd
S1 = pd.Series([10, 20, 30, 40, 71,50])
print(S1[ _____ ])
```

2. Complete the code to get the required output as 28:

```
import _____ as pd
_____ = pd.Series([31, 28, 31], index = ["Jan", "Feb", "Mar"])
print(S1["_____"])
```

3. Write the output of the following code :

```
import pandas as pd
S1 = pd.Series([31, 28, 31, 30, 31], index = ["Jan", "Feb", "Mar", "Apr", "May"])
print("-----")
print(S1[1:3])
print("-----")
print(S1[:5])
print("-----")
print(S1[3:3])
print("-----")
print(S1["Jan":"May"])
```

4. Write the output of the following code :

```
import pandas as pd
S1 = pd.Series([31, 28, 31, 30, 31], index = ["Jan", "Feb", "Mar", "Apr", "May"])
print(S1["Jun"])
```

5. Write the output of the following code :

```
import pandas as pd
S1 = pd.Series([31, 28, 31, 30, 31], index = ["Jan", "Feb", "May", "Apr", "May"])
print(S1["May"])
```

6. Write the output of the following :

```
import pandas as pd
S1 = pd.Series([31, 28, 31, 30, 31], index = ["Jan", "Feb", "Mar", "Apr", "May"])
print(S1[ [0, 2, 4] ])
```

7. Write the output of the following :

```
import pandas as pd
S1 = pd.Series([31, 28, 31, 30, 31], index = ["Jan", "Feb", "Mar", "Apr", "May"])
print(S1[0 : 2] * 2)
```

8. Write a program to modify the value 5000 to 7000 in the following Series "S1"

- A 25000
- B 12000
- C 8000
- D 5000

9. Write the output of the following code :

```
import pandas as pd  
S1 = pd.Series([2, 5, 7, 10])  
print(S1 + 2)  
print(S1 * 2)  
print(S1 ** 2)  
print(S1 - 2)  
print(S1 > 2)
```

10. Write the output of the following code :

```
import pandas as pd  
S1 = pd.Series([2, 5, 7, 10])  
S2 = pd.Series([1, 3, 5, 7])  
print(S1 + S2)
```

11. Write a program to display only those values greater than 200 in the given Series “S1”

```
0    300  
1    100  
2   1200  
3   1700
```

12. Write a program to display the following Series “S1” in descending order.

```
0    300  
1    100  
2   1200  
3   1700
```

13. Write the output of the following :

```
import pandas as pd  
S1 = pd.Series([3, 1, 12, 17], index = ("a","b","c","d"))  
S2 = pd.Series([4, 5, 6, 7], index = ("a","b","e","f"))  
print(S1*S2)
```

14. Write a program to change the index of the following Series “S1” from (0, 1, 2, 3) to (a, b, c,d).

```
0    120  
1     75  
2     85  
3     95
```

15. Write the output of the following :

```
import pandas as pd  
L1=[1, 2, 3, 4]  
S1 = pd.Series(L1 * 2)  
S2 = pd.Series(S1 * 2)  
print(S1)  
print(S2)
```

Psychology

Do the below given assignments in your class notebook

ASSIGNMENT 1

https://docs.google.com/file/d/1RGOk4zT9AwVjL4B2rxJ915Xm4E2C2CEE/edit?usp=docslist_api&filetype=msword

ASSIGNMENT 2

https://drive.google.com/file/d/1oaZNAOq84KHnPMtjxq_V4Xl4pcXPQiAE/view?usp=drivesdk

ASSIGNMENT 3

https://docs.google.com/file/d/1e8x3ZYwKO3IEEyKpjN_wtlx-63OKzK9f/edit?usp=docslist_api&filetype=msword

(Chapter 1 and 2 only)

Practical work

*Complete practical writing as discussed in the class.

* Prepare a case study based on class discussion.

HOME SCIENCE

Do all the below given assignments in your class notebook.

ASSIGNMENT 1

<https://drive.google.com/file/d/1ZEEJlPL21f-3Is-qaGSOX5ZNdN4HRqj2/view?usp=drivesdk>

ASSIGNMENT 2

<https://drive.google.com/file/d/1ndfvMyndaeUozG0wcouQGAmzhWKNnNx/view?usp=drivesdk>

ASSIGNMENT 3

https://drive.google.com/file/d/138UmD_csCfd7WcvFOZ2YiyHXuuW3Jx78/view?usp=drivesdk

ASSIGNMENT 4

https://drive.google.com/file/d/138UmD_csCfd7WcvFOZ2YiyHXuuW3Jx78/view?usp=drivesdk

ASSIGNMENT 5

https://drive.google.com/file/d/1-JNqorVxS440PKFdcxOlj_HDsvykln54/view?usp=drivesdk

PRACTICAL WORK

*Complete practical writing done in the class.

*Make a soft toy.