

Jain Happy School (A Minority Educational Institution) HOLIDAY HOMEWORK (2025-26) Class XII (COMMERCE/HUMANITIES)

	Project Work
ENGLISH	1. PowerPoint Presentation
	Make a PowerPoint Presentation reflecting your relationship with your
	Parents, especially your mother. You can take inspiration from the poem
	'My Mother at Sixty-six'. Make sure that the PPT doesn't consist of more
	than 5/6 slides and that it has pictures in it.
	2. <u>Photo Essay- 'My Summer Story'</u>
	What kind
	ofa
	summer
	story should
	you write?
	To enhance your ability to express thoughts creatively through visual
	storytelling and connect your real-life experiences with themes from the
	English Core curriculum.
	<u>Choose a topic (Ex- identity, loss, fear, peace, isolation).</u>
	 <u>Take 5-10 original photographs related to the theme.</u>
	<u>Write a caption or paragraph for each photograph.</u>
	Organize your Essay.
	 Should be made on big size chart paper and hand written
	3. <u>Earning by Doing</u>
	Every Student has to engage themselves in some kind of work. The work
	should lead to some kind of earnings. You can assist your parents in doing
	some chores, or work at shops. The duration of this task is one week.
	Every day you will keep an account of your experiences in the form of a report.
	For this activity you will make a separate project file that must contain-
	 Title Page Acknowledgement and Certificate What work did you
	choose and Why • Everyday account of experience in the form of report •
	Learning from the Project i.e. Reflection.

	4. <u>Proje</u>	<u>ct</u>
	Proje	ct Make one informative project on the topic assigned to you.
	-	roject must have
	-	e Page
		knowledgment and Certificate
		but the Author
		prief summary of the prose/poetry
		emes covered in the chapter
		l other topics given
	5. <u>Notic</u>	e Writing
	Atter	npt the following question in your Grammar notebook
		e Activity Captain of your school, you are organizing a Career
		selling Session for XI and XII standard students of your school. Write
		ice giving details of it to be displayed on your school notice board.
		d Limit: 50 words)
	•	re Nisha/Nitin, Secretary of Green Valley Apartment, Faridabad. You
		processed about the callous and indifferent attitude of the people in
	-	Society, who are not wearing masks and also not following the
		s of social distancing. As a result, they are not only exposing
		selves but also others to the risk of being infected by Covid-19. Write
		ice in about 50 words for the residents of the society to strictly
	follow	v Covid-19 Protocol.
ACCOUNTANCY	• Prepa	re a knowledgeable and presentable power point presentation
ACCOUNTAINCT	-	ding to the roll numbers and topics mentioned against them below.
	•	can refer book and internet videos, to make your PPT, but it must be
		original work)
	Roll	Торіс
	no.	
	120	
		Account
	120	
	120	5
	120	Deed
	120	54 Provisions affecting treatment in the absence of Partnership Deed
	120	
	120	55 Profit and Loss Appropriation Account
	120 120	55Profit and Loss Appropriation Account56Journal entries relating to the Profit and Loss Appropriation
	120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account
	120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed
	120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account
	120 120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account Partner's Capital Accounts (Fluctuating Method)
	120 120 120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account Partner's Capital Accounts (Fluctuating Method) Partner's Capital Accounts (Fluctuating Method)
	120 120 120 120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account Partner's Capital Accounts (Fluctuating Method) Partner's Capital Accounts (Fluctuating Method) Interest on Partners' Drawings
	120 120 120 120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account Partner's Capital Accounts (Fluctuating Method) Partner's Capital Accounts (Fluctuating Method) Interest on Partners' Drawings
	120 120 120 120 120	 Profit and Loss Appropriation Account Journal entries relating to the Profit and Loss Appropriation Account Partnership Deed Profit and Loss Appropriation Account Partner's Capital Accounts (Fluctuating Method) Partner's Capital Accounts (Fluctuating Method) Interest on Partners' Drawings Provisions relating to interest on capital

		42064	
		12064	Partner's Capital Accounts (Fixed Method)
		12065	Partner's Capital Accounts (Fixed Method)
		12066	Charge against Profit and Appropriation of Profit
		12067	Provisions relating to interest on capital
		12068	Charge against Profit and Appropriation of Profit
		12069	Goodwill-meaning and types
		12070	Methods of calculating goodwill
		12071	Treatment of Goodwill in Admission
		12072	Revaluation Account
		12073	Methods of calculating goodwill
	•	Prepare a	a digital picture/sketch/ painting/ collage/ wall hanging/
		descriptiv	ve 3D chart/ model/ Designing through photoshop/ Sketching/
		Cartoonii	ng/Episodes from stories from textbooks/video on the same
			ven above.
	•	-	e all the assignments in your notebook that are sent to you
		-	WhatsApp.
	•	Complete	e all the worksheets in fair notebook given during classes.
	•	Complete	e the Past Examination Questions, illustrations and Back exercise
		of Ch 1 a	nd Ch 2 of Accountancy in your fair notebooks.
	•	Do objec	tive type questions and short questions of Ch 1 and 2 that are
		given on	the back exercise of the chapter.
		•	·
Business Studies	•	Prepare a	a knowledgeable and presentable power point presentation
Dusiness Studies		-	to the roll numbers and topics mentioned against them below.
		-	refer book and internet videos also, to make your PPT, but it
		•	your original work)
		Roll	Торіс
		no. 12051	Management Definition (Efficiency, effectiveness)
			Characteristics of Management
		12052 12053	Objectives of Management - Economic
		12053	Management as a Science
		12054	Management as a Science Management as an Art
		12055	Management as an Art Management as a Profession
		12056	
	1	1203/	
			Functions of Management
		12058	Importance of Management
		12058 12059	Importance of Management Top Level Management
		12058 12059 12060	Importance of Management Top Level Management Middle Level Management
		12058 12059 12060 12061	Importance of Management Top Level Management Middle Level Management Lower Level Management
		12058 12059 12060 12061 12062	Importance of Management Top Level Management Middle Level Management Lower Level Management Coordination Concept and Characteristics
		12058 12059 12060 12061 12062 12063	Importance of Management Top Level Management Middle Level Management Lower Level Management Coordination Concept and Characteristics Principles of Management -Fayol – 1 to 7
		12058 12059 12060 12061 12062 12063 12064	Importance of ManagementTop Level ManagementMiddle Level ManagementLower Level ManagementCoordination Concept and CharacteristicsPrinciples of Management -Fayol – 1 to 7Objectives of Management - social and personal
		12058 12059 12060 12061 12062 12063 12064 12065	Importance of ManagementTop Level ManagementMiddle Level ManagementLower Level ManagementCoordination Concept and CharacteristicsPrinciples of Management -Fayol – 1 to 7Objectives of Management – social and personalCharacteristics of Management
		12058 12059 12060 12061 12062 12063 12064 12065 12066	Importance of ManagementTop Level ManagementMiddle Level ManagementLower Level ManagementCoordination Concept and CharacteristicsPrinciples of Management -Fayol – 1 to 7Objectives of Management – social and personalCharacteristics of ManagementFunctions of Management
		12058 12059 12060 12061 12062 12063 12064 12065 12066 12067	Importance of ManagementTop Level ManagementMiddle Level ManagementLower Level ManagementCoordination Concept and CharacteristicsPrinciples of Management -Fayol – 1 to 7Objectives of Management – social and personalCharacteristics of ManagementFunctions of ManagementImportance of Management
		12058 12059 12060 12061 12062 12063 12064 12065 12066	Importance of ManagementTop Level ManagementMiddle Level ManagementLower Level ManagementCoordination Concept and CharacteristicsPrinciples of Management -Fayol – 1 to 7Objectives of Management – social and personalCharacteristics of ManagementFunctions of Management

	42070	
	12070	Dimensions of business Environment
	12071	Dimensions of business Environment
	12072	Techniques of Scientific Management
	12073	Scientific Principles
	D	
•	-	a digital picture/sketch/ painting/ collage/ wall hanging/
	descripti	ve 3D chart/ model/ Designing through photoshop/ Sketching/
	Cartooni	ing/Episodes from stories from textbooks/video on the same
	topics give	ven above.
•	Complet	e all the worksheets in fair notebook
•	Prepare	the assigned CBSE project.
	-	e the case study and objective type questions of Ch 1and Ch 2
	-	
		ck exercise of book.
•	Complet	e the case study assignment, given during the classes.
	C ara 1 -	
•	-	e the Business Studies project on the topic assigned as per roll
	no:	
	Roll	Topic
		Торіс
	no.	Drinsinles of Monogoment
	12051 12052	Principles of Management
		Marketing Principles of Management
	12053 12054	Principles of Management Marketing
	12054	Business Environment
	12055	Business Environment
	12050	Principles of Management
	12057	Business Environment
	12058	Principles of Management
	12059	Business Environment
	12060	Principles of Management
	12061	Business Environment
	12062	Marketing
	12063	Business Environment
	12064	Business Environment
	12065	Marketing
	12068	Business Environment
	12067	Principles of Management
	12068	Marketing
	12009	Principles of Management
	12070	Business Environment
	12071	Principles of Management
	12072	Business Environment
		ATE OF SUBMISSION OF PROJECT WORK IS: 03 JULY
•		ALE OF SUDIVIISSION OF PROJECT WORK IS: US JULY
	2025.	
ECONOMICS	4. Huma	n Capital Formation
		human agained. Fundain the Courses of Human Courties
1.	Define H	uman capital. Explain the Sources of Human Capital.

2.	Explain the role or significance of Human Capital.
3.	What are the Problems of Human Capital. Explain it.
4.	Difference between 'Physical Capital and 'Human-Capital'.
5.	State the objectives of Education.
6.	Explain why Education still a challenge for India.
	5. Rural-Development
1.	Define Rural Development. Explain the Sources of Rural credit.
	(Institutional and non-institutional).
2.	Define Agricultural Marketing. What are its defects. Explain the measures
	taken by government to improve Agricultural Marketing system.
3.	Explain the diversification of productive activities Rural areas.
	(Employment outside Agricultural).
4.	Define organic forming. Write its merits and demerits.
	5 5
	6. Employment
1.	Define workers. Explain its types.
2.	Define following terms: -
	(i) Labour supply (ii) Labour force
	(iii) Workforce (iv) Unemployment
	(v) Participation rate.
3.	Why is the percentage of Female workers low and lower still in urban
	areas.
4.	Explain rate of participation across rural and urban areas.
	Explain Jobless growth.
	Define Casualisation of workforce. Write its reasons.
7.	Explain information of workforce.
	Explain the types of unemployment.
	What are the causes of unemployment. Explain it.
	Explain some recent initiatives taken by government to remove
	unemployment.
	7. Environment and Sustainable Development
1.	Define Environment. What are its function.
2.	Define 'Carrying capacity of Environment' and 'Absorptive Capacity of
	Environment'.
3.	Explain the causes of Environmental crisis.
4.	What are the causes of Land degradation.
5.	Explain the causes of Air and water pollution.
	Explain 'Global warming' and 'ozone depletion'.
	Define 'Sustainable development. Explain the strategies for sustainable
	development.
	8. Comparative Development Experience of India and its Neighbours.
1.	Explain the path (Strategy) of development of India.
	Explain the path (strategy) of development of Pakistan.
	Explain 'Great leap forward' of China.
	Explain 'Great Proletarian cultural Revolution of China.
	Compare India, China and Pakistan on the basis of Demographic

	Indicators.
	6. Compare India, China and Pakistan on the basis of Gross Domestic
	product and sectoral changes.
	7. State the indicators of Human development.
	8. Write the Areas where India has an edge over Pakistan.
	9. Write the Areas where Pakistan has an edge over India.
	10. Write the areas where China has an edge over India.
	Ch-I (Indian economy on the eve of Independence)
	1. Explain the Indian economy on the eve of Independence.
	2. Explain the statues of Agriculture sector at the time of British
	government.
	3. Why Handicraft decline at the time of British government.
	4. Explain Demographic profile at the time of British government.
	5. Define 'occupational Structure' and explain occupational structure at the
	time of British government.
	6. Wat there any positive impact of the British rule in India.
	7. Write positive and negative impact of Railways in India.
IINFORMATICS	Dear students, below listed questions you need to solve and write solution with
PRACTICES	output in your practical file.
FRACTICES	Practical File Questions:
	Pandas:
	1. Create a Panda's series from a dictionary of values and a ndarray.
	 To illustrate the working of head() and tail() functions on a series.
	3. To illustrate the various attributes related to a series object.
	4. To creating a Series from two different lists.
	5. To create a series with range() and for loop.
	6. To perform indexing ,slicing and accessing data from a Series.
	7. To generate a series using a mathematical function(exponentiation).
	8. To create dataframe from two series of student data.
	9. Create a Data Frame quarterly sales where each row contains the item
	category, item name , and expenditure .Group the rows by the category and print
	the total expenditure per category.
	10. Create a Data Frame for examination result and display row labels,
	column labels data types of each column and the dimension.
	11. To perform binary operations on two data frames (perform two data
	frames marks obtained by two students in a class test.
	Student={'unit test-1':[5,6,8,3,10], 'unit test-2':[7,8,9,6,15]}
	Student1={'unit test-1':[3,3,6,6,8], 'unit test-2':[5,9,8,10,5]}
	12. To create a dataframe from a dictionary of series by passing the values to
	the dictionary using series()method.
	13. Creating a dataframe using dictionary of list.
	14. Importing and exporting data between pandas and CSV file.
	15. To display the shape (number of rows and columns)of the CSV file.
	DATA HANDLING USING MATPLOTLIB
	16. Plot the following data on a line chart and customize the chart according
	to the below-given instructions:
	Month January February March April May
	Sales 510 350 475 580 600

	Weekly Sales Report
	a) Write a title for the chart "The Monthly Sales Report"
	b) Write the appropriate titles of both the axes
	c) Write code to Display legends
	d) Display blue color for the line
	e) Use the line style – dashed
	f) Display diamond style markers on data points
	17. To add legends ,title and labels to a line plot either multiple lines.
	18. To plot the elements of two lists using a bar chart.
	19. Given the school result data, analyses the performance of the students on
	different parameters, e.g subject wise or class wise.
	20. To display a histogram with well-defined edges.
	21. To generate a histogram for displaying the number of students having the
	same weights , assuming there is no student having weight in the range of 40 to
	50kgs.
	Database query using sql
	22. To create a database.
	23. To create a students table with the student id, name, class, dob, sex, city
	and marks as attributes where the student id is the primary key.
	24. To insert the details of at least 10 students in the above table.
	25. To delete the details of a particular student in the above table.
	26. To increase marks by 5% for those students who have studid more than 6.
	27. To display the entire content of the table.
	28. To display Studid, Name and Marks of those students who are scoring
	marks more than 450.
	29. To find the average of marks from student table
	30. To find the number of students, who are City='MUMBAI'
	31. To add a new column email in the above table with appropriate data type.
	32. To add the email ids of each student in the previously created email
	column.
	33. To display the information of all the students, whose name starts with
	'RISHABH'.
	34. To display Name, class DOB of those students who are born between
	'2005- 01-31' and '2005-08-25'.
	35. Write a SQL query to order the (student ID, marks) table in descending
	order of the marks.
	36. Write a query to display 'DIA' from the word "MEDIA".
PHYSICAL EDUCATION	1. Complete the work of L1 & L2 in your registers and learn them.
	2. Revise worksheets and notes provided on the class Whatsapp group.
	2. Revise worksheets and notes provided on the class whatsapp group.
	3. Write the following in your Physical Education Lab Manual (Practical File) -
	PART A. PHYSICAL FITNESS TEST –
	SAI Khelo India Test, Brockport Physical Fitness Test (BPFT) <u>PART B. GAMES AND SPORTS -</u>
	Any one game out of the options below according to your roll no.
	Labelled diagram of field, rules, equipment, etc.
	Roll No. 1 To 5 – Cricket / Football
	Roll No. 6 To 10 – Swimming / Volleyball
	 Roll No. 11 To 15 – Badminton / Hockey

	Roll No. 16 To 20 – Basketball / Boxing
	Roll No. 21 To 25 – Kabaddi / Handball
	Roll No. 26 To 30 – Tennis / Bocce
	PART C. GAMES/ SPORTS FOR CWSN-
	Any one game of your choice out of the list below. Labelled
	diagram of field, rules, equipment, etc. (boccia, sitting volleyball,
	wheelchair basketball, unified badminton, unified basketball, unified
	football, blind cricket, goalball, floorball, wheelchair races and throws)
	PART D. YOGA-
	Do practice of any five asana at your home on daily basis.
	<u>PART E. ASANAS-</u>
	Procedure for asana, benefits and contraindication of any two
	asana for each lifestyle diseases (total 10 asana)- Diabetes,
	Obesity, Hypertension, Asthma, Backpain
	4. Make a self-video of explaining any one chapter/one topic with a
	PowerPoint presentation (PPT) and send it to this email-id -
	jhssportsdept@gmail.com. Instructions for making a video –
	a. Use a clear background while shooting the video.
	b. Wear school uniform only.
	c. Voice should be audible.
	d. Duration – 2 min.
	e. Video should include school name and logo, your name and class.
	f. Use English language only for explanation.
MATHS	Do the following activities in the mathematics lab manual
	Activity 1 To verify that the relation R in the set L of all lines in a plane defined by
	$R = \{ (I, m) : I m \}$ is an equivalence relation.
	Activity 2 To demonstrate a function which is not one-one but is onto.
	Activity 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 $y = x$).
	<u>Activity 4</u> To sketch the graphs of a^x and $\log_a x$, $a > 0$, $a \neq 1$ and to examine that
	they are mirror
	images of each other.
	<u>Activity 5</u> To find analytically the limit of a function $f(x)$ at $x = c$ and also check
	the continuity of
	the function at that point.
	Activity 6 To understand the concepts of decreasing and increasing functions.
	Activity 7 To construct an open box of a maximum volume from a
	given rectangular sheet by
	cutting equal squares from each corner.
	Activity 8 To understand the concepts of absolute maximum and minimum
	values of a function
	in a given closed interval through its graph.
	Activity 9 To measure the shortest distance between two skew lines and verify it
	analytically.
	Activity 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.

Making of PPT & working model

Prepare a PPT and a working model according to the roll number and topic mentioned in the table below for the maths exhibition. Make beautiful and colourful charts supporting your model also.

Roll no.	Торіс
12051, 12052	Area under the Curve
12053, 12059	Differential Equations
12065, 12067	Vector Algebra
12068, 12073	Three Dimensional Geometry

COMPLETION OF ASSIGNMENT

CONTINUOUS AND REGULAR PRACTISE MAKE THE STUDENT PERFECT IN the subject.

Complete the following assignment in your maths register. It will help you in recapitulating concepts done in the class.

CHAPTER 3

1) If a matrix contains 10 elements then write down all its possible orders.

2) Form a matrix of order 2 x 3 in which $a_{ij} = \frac{|2i-j|}{2}$

3) Find the value of w, x, y and z if A = B where A = $\begin{bmatrix} w - x & 2w + y \\ 2w - x & 3v + z \end{bmatrix}$ and B =

 $\begin{bmatrix} -1 & 5\\ 0 & 13 \end{bmatrix}$ 4) If $\begin{vmatrix} 2x+5 & 3\\ 5x+2 & 9 \end{vmatrix} = 0$ then find the value of x

5) If A = $\begin{bmatrix} -2 & 2 \\ 4 & 3 \end{bmatrix}$ and B = $\begin{bmatrix} -1 & 7 \\ 0 & 10 \end{bmatrix}$ then find AB and BA

6) Represent matrix A = $\begin{bmatrix} 4 & 2 & -3 \\ 1 & 3 & -6 \\ -5 & 0 & -7 \end{bmatrix}$ as the sum of symmetric and skew symmetric matrix.

7) If A = $\begin{pmatrix} 5 & 2 \\ 3 & 1 \end{pmatrix}$ and B = $\begin{pmatrix} 2 & 3 \\ -1 & 6 \end{pmatrix}$ then find the value of |AB|8) Find matrix A such that $\begin{pmatrix} 2 & -1 \\ 1 & 0 \\ -3 & 4 \end{pmatrix}$. A = $\begin{pmatrix} -1 & -8 \\ 1 & -2 \\ 9 & 22 \end{pmatrix}$

9) If A is a matrix of order 3 x 3 then value of |3A| = ___ 10) Express the matrix A = $\begin{vmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ 1 & 1 & 2 \end{vmatrix}$ as a sum of symmetric and skew symmetric matrix. **CHAPTER 4** 1) For the given matrix A = $\begin{bmatrix} 0 & 1 & -3 \\ 2 & 0 & -1 \\ 2 & 1 & 0 \end{bmatrix}$ find the inverse of matrix A.

2) Find the minors and cofactors of the matrix A = $\begin{bmatrix} 3 & 3 & -1 \\ -2 & -2 & 1 \\ -4 & -5 & 2 \end{bmatrix}$ 3) Using matrices, solve the following system of equations : 2x + 3y + 3z = 5, x - 2y + z = -4, 3x - y - 2z = 34) Find the adjoint for matrix A = $\begin{bmatrix} 4 & 0 & -1 \\ 2 & 3 & -5 \\ -5 & 2 & -3 \end{bmatrix}$ 5) Find the maximum value of $\begin{vmatrix} 1 & 1 & 1 \\ 1 & 1 + sinx & 1 \\ 1 & 1 & 1 + cosx \end{vmatrix}$ 6) There are two values of a which makes determinant, A = $\begin{vmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ -1 & 1 & 2 \end{vmatrix} = 86,$ then the sum of these numbers are? 7) Find the inverse of the matrix A = $\begin{bmatrix} 2 & -3 & 5 \\ 3 & 2 & -4 \\ 1 & 1 & -2 \end{bmatrix}$ and use it to solve the following system of equations: 2x - 3y + 5z = 11, 3x + 2y - 4z = -5, x + y - 2z = -3 8) If A is a 3x3 invertible matrix, then what will be the value of k if det $(A^{-1}) = (det$ A)^k 9) If A = $\begin{vmatrix} 1 & -1 & 1 \\ 2 & 1 & -3 \\ 1 & 1 & 1 \end{vmatrix}$ then find A⁻¹. Use it to solve the system of equations x + 2y + z = 4, -x + y + z = 0, x - 3y + z = 02 of equation x - y + z = 4, x - 2y - 2z = 9, 2x + y + 3z = 1**CHAPTER 5** CONTINUITY AND DIFFERENTIABILITY **1.** Differentiate $\sqrt{tan}\sqrt{x}$ w.r.t x. 2. Find $\frac{dy}{dx}$, if y = tan⁻¹ ($\frac{3x - x^3}{1 - 3x^2}$), $-\frac{1}{\sqrt{3}} < x < \frac{1}{\sqrt{3}}$. 3. If y = sin⁻¹ { $x \sqrt{1-x} - \sqrt{x} \sqrt{1-x^2}$ } then find $\frac{dy}{dx}$. 4. If x = a sec³ θ and y = a tan³ θ , find $\frac{dy}{dx}$ at $\theta = \pi /3$. 5. If x^y = e^{x-y}, prove that $\frac{dy}{dx} = \frac{\log x}{(1 + \log x)^2}$ 6. Let $f(x) = \{\frac{1 - \cos 4x}{x^2}, if x < 0\}$, if x = 0 $\frac{\sqrt{x}}{\sqrt{16+\sqrt{x}-4}}$, *if* x > 0, for what value of a, f is continuous at x = 0?

	7. Find $\frac{dy}{dx}$, if y = x ^{tanx} + $\sqrt{\frac{x^2+1}{2}}$
	8. If x = sin t and y = sin pt, prove that $(1 - x^2) \frac{d^2y}{dx^2} - x \frac{dy}{dx} + p^2 y = 0$.
	9. If $x^m \cdot y^n = (x + y)^{m+n}$, prove that :- (i) $\frac{dy}{dx} = \frac{y}{x} d$ (ii) $\frac{d^2y}{dx^2} = 0$.
	10. Differentiate tan ⁻¹ $\frac{\sqrt{1-x^2}}{x}$ with respect to cos ⁻¹ (2x $\sqrt{1-x^2}$)
HISTORY	A. Prepare one project report on the (given and discussed in the class) topic
	of your history text book of NCERT.
	Key contents of the Project: Type of project - Individual Project
	 It should be hand- written by the student (no print-outs).
	Project should have minimum 40 pages.
	A-4 size –(one side plain and one side lined or colored sheets)
	 On plain side all pictures, maps etc. should be pasted. Your project should be spiral bound after vacation with consent of your
	teacher.
	Instructions and guidelines: Project will be developed and presented in the
	following order:
	 Cover Page- It should have - Title of the project and a slogan related to your topic, student'sname, Admn. No., Roll no. (Sample below)
	 Index Page - it will contain all the sub- topics of the content
	SCHOOL'S NAME
	Your Title of the project
	Session 2024-25
	Student's name
	Class /sec
	Roll no.
	3. Acknowledgement Page - To the institution, teachers, library, places.
	Visited and thepersons who helped them in preparing the project. 4. Content – Content/ main part of the project.(Approx 40 pages)
	 Content – Content/ main part of the project. (Approx 40 pages) Bibliography: last page of the project.
	B. Do source based question in Separate Register.
	C. LEARN ALL LESSONS DONE SO FAR
	SOURCE BASED QUESTIONS
	BOOK ONE
	PAGE NO. 04
	HOW ARTEFACTS ARE IDENTIFIED? 1. What materials were used to make these querns?
	1. What matching were used to make these querns:

2. What are the two types of querns?
3. Mention any two ways in which the archaeologists classify finds and one
way they determine the function
PAGE NO. 18
EVIDENCE OF AN "INVASION".
1. What did the Rigveda mention about 'Pur'?
2. According to wheeler what did excavations show?
3. What do you conclude about the destruction of this civililization and
why?
PAGE NO. 35
CAPTURING ELEPHANTS FOR THE ARMY.
1. Capturing of elephants was so important. Why?
2. Who was Kautilya? What he composed?
3. How does Arthashastra help in the reconstruction of the history?
4. What were the different organs of the army during Mauryan time?
PAGE NO. 37
IN PRAISE OF SAMUDRAGUPTA.
1. What is a Prashasti? Who wrote the above prashasti?
2. Mention any three qualities of ruler according to the prashasti.
3. Why did rulers identify themselves with a variety of deities?
PAGE NO. 48
THE ANGUISH OF THE KINGS.
 Who has issued this inscription? The excerpt refers to which war? How did the king seek repentance?
3. What steps did Ashoka take to spread Dhamma? Give three points.
PAGE NO. 44
THE MALABAR COAST(PRESENT DAY KERALA)
1. What were the things exported and imported in India during c. First
century ce.?
2. What is the meaning of the following words used in above passage –
(i)Periplus (ii)Erythraean
PAGE NO. 40
LIFE IN A SMALL VILLAGE.
1. Who was Banabhatta and what did he write?
2. How would you classify the people described in the text in terms of their
occupation?
PAGE NO. 41
PRABHAVATI GUPTA AND THE VILLAGE OF DANGUNA.
 Who was Prabhavati Gupta? What were the things produced in the village?
 What were the things produced in the village? Who were Gramakutumbinas?
5. Who were Gramakutumbinas:
PAGE NO. 57
WHY KINFOLK QUARRELLED?
1. What does this excerpt trying to depict?
2. Who was Dhritarashtra? How did he become the king and why?
3. Why did Duryodhana feel jealous of the Pandavas?

PAGE NO. 58

EIGHT FORMS OF MARRIAGE.

- 1. When was Manusmriti compiled?
- 2. What did the passage narrate about?
- 3. How did the Dharamsutras and Dharamshastras classify the marriage?

PAGE NO. 60

A MOTHER'S ADVICE.

- 1. Who was Gandhari? What did she appeal to Duryodhana?
- 2. Why did they argue with her advice to his son?
- 3. Why did Duryodhana not act on advice of his mother?
- 4. Does this passage give you an idea about the way in which mothers were viewed in early Indian socities?

PAGE NO. 62

"PROPER" SOCIAL ROLES.

- 1. What message do you think this story was meant to convey to the Nishadas?
- 2. What message would it convey to Kshatriyas?
- **3.** Do you think that Drona, as a Brahaman, was acting according to the Dharamshastras when he was teaching archery?

PAGE NO. 65

A TIGER LIKE HUSBAND.

- 1. What type of marriage was described in this passage?
- 2. Why Kunti agreed for this marriage of his son Bhima?
- 3. Who was Ghatotkachchha? What promise he made?
- 4. Identify the practices described in this passage. Which seem non brahmanical?

PAGE NO. 76

DRAUPADI'S MARRIAGE.

- 1. What was the competition organised by the Panchala king Drupada for the marriage of his daughter?
- 2. What form of the marriage was Draupadi's marriage to the Pandvas?
- 3. What two explanations were given by Vyasa to convince king Drupada for Draupadi being the common wife of the Pandavas?
- 4. Give two views of historians about polyandry.

PAGE NO. 84

A PRAYER TO AGNI.

- 1. What were the main objevtives of the sacrifice.
- 2. From which text above excerpt had been taken?
- 3. In which language, verses mentioned in the text had been written?

PAGE NO. 86

HOW BUDDHIST TEXTS WERE PREPARED AND PRESERVED?

1. What do you mean by Tipitaka?

What are the three Pitakas? Explain.

- 2. What are Dipavamsa and Mahavamsa?
- 3. Who were the Chinese travelled come India?

PAGE N	NO. 87
FATALI	STS AND MATERIALISTS?
	1. From where has this excerpt been taken?
	2. What does it describe?
	3. How many elements is a human being made up of? What happens
	after his death?
	4. What were Makkhali Gosala's opinion about joy and sorrow?
	5. By what another name Ajivika tradition is known?
	6. Write any two principles of Fatalist.
PA	GE NO. 88
THI	E WORLD BEYOND THE PALACE
	1. Name the text from which this excerpt has been taken.
	2. What is the language of the text?
	3. What all did Queen Kamalavati ask the king to renounce?
	4. Describe the main principles of Jainism.
PAGE N	
	HISM IN PRACTICE.
	In this passage who is being advised by whom?
	Mention the internal functioning of the Buddhist Sangha.
3.	How should a master look after his servants and employees?
PAGE N	NO 93
_	IERIGATHA.
	Name the text where the above excerpt taken from. Which of the
	teachings of the Buddha are evident in this text?
2.	Why did Punna want to join the Buddhist Sangha?
	What was emphasised in the context of individual?
PAGE N	NO. 94
<u>RULES</u>	FOR MONKS AND NUNS.
1.	What is the importance of Vinaya Pitaka?
2.	Why do you think men and women joined Sangha? Give two reasons.
3.	What was the Bodh Sangha?
	<u>BOOK TWO</u> NO. 118
	RD LEAVES ITS NEST.
-	What do you mean about 'Rihla'?
	Why did Battuta renounce his house?
	Why did Battuta find difficult to travel in India? Give two reasons.
	Why did Battuta compare himself with a bird?
	What did Battuta say about Indian towns?
	NO. 121
	TION AND ENTERTAINMENT
	What instructions was given to Ibn Battuta by the king?
2.	In which language the Book 'Rihla'was written?

- 3. What was the impact of the narrative of Ibn Battuta on the author?
- 4. How did his account prove faithful?
- 5. Write any one problem faced by him during his travel.

	PAGE NO. 125
	THE SYSTEM OF VARNAS.
	1. Explain in brief Biruni's acconts of the system of varnas?
	2. This type of division is not justified. Why?
	3. Which two classes lived together in both cities and villages?
	4. Was the caste system right in real life? Write your argument.
	PAGE NO. 129
	ON HORSE AND ON FOOT.
	1. Name the two kinds of postal system.
	2. Explain how foot post worked?
	3. Do you think that two post systems could have operated throughout the
	subcontinent?
	4. Give an example to show that postal system of that period was unique
	communication.
	5. How did the state encourage the merchant in 14 th century? Write two
	ways.
	PAGE NO. 131
	THE POOR PEASANT
	1. Write any two problems about cultivating land.
	2. Why did the peasantry abandon the land?
	3. Explain in brief the reasons given by Bernier for the exploitation of
	peasants.
	4. Name two European thinkers influenced by Bernier observation.
	PAGE NO. 135
	THE CHILD SATI
	1. What do you know about Sati system?
	2. How was a widow performed Sati?
	3. Why were women sacrificed as Sati?
	 Remember a well presented "PROJECT FILE" and source based
	-
	question answers fetches you appreciation of the teachers and
	classmates and good score in Internal Assessment.
	LAST DATE OF SUBMISSION OF HOLIDAY HOMEWORK : 01 JULY
	2025.
POLITICAL SCIENCE	1-Read the newspaper daily and prepare a collage on the highlighted
	issues in Indian polity.
	General Instructions:
	 It should be on A3 size of sheet.
	It should be well presented
	• Paste newspaper clippings of the issues that you have selected.
	2- Read and revise the chapters taught in the class and complete Pol.
	Science register/notebook.
	3- Prepare a PPT (Power Point Presentation) on any one of the following
	topics for class presentation.
	The End of Bipolarity
	Soviet System/Model

 Disintegration of USSR, Causes and Consequences
 Shock Therapy and its consequences.
 Shock merapy and its consequences. Challenges of Nation Building
 Process of Partition, Problems and its consequences. Integration of princely state. Undershed Manipur, and Jamman
Integration of princely state- Hyderabad, Manipur, and Jammu and Kashmir.
 Reorganisation of states- State Reorganisation Commission and its
recommendation.
NOTE: PPT must contain 15-20 slides including the following pages- Title page,
Index, Certificate, Acknowledgement Introduction,Contents Conclusion
Bibliography.
Political Science project-
Prepare a project file on any topic from the syllabus according to CBSE
guidelines.
Some suggested topics are:
1. The End of bipolarity
2. Challenges of nation Building
3. Globalisation
4. Politics of planned Development.
5. Era of one party Dominance
6. Contemporary Centres of power
7. European Union and BREXIT
8. SAARC
9. ASEAN
10. Crisis of Democratic Order (National Emergency)
11. Security in the contemporary world
12. International Organisation- UN O
13. Environment and Natural Resources
14. Partition of India-Theory behind it and its legacy
15. Comparison between NITI AAYOG and Planning Commission and their
contribution in India's Development.
16. Election 2019- Rise of BJP and Downfall of Congress (1989-2019).
17. Recent Development in Indian Politics
18. NDA III and NDA IV – Social and Economic welfare programmes.