SUBJ.	TOPIC
English	**1. Literature: (a) Flamingo** : **(i)** Read all the lessons of Ist Term. **(ii)** Revise Ques. Ans. of Ch. 1, 2, 3 and Poem 1, 2. **(b) Vistas: (i)** Read all the lessons of Ist Term. **(ii)** Revise Ques. Ans. of Ch. 1, 2, 4. **(c)** Prepare a chart of writers and poets of all the chapters of Flamingo and Vistas and learn it. **(d)** Watch all the writing skills videos on You tube - Article, Debate, Report, Speech, Note Making, Letter Writing, Advertisements (Classifieds and Commercial), Poster, Invitations and replies. **(e)** Solve CBSE question paper, section A & B in your Writing Skill Register. **II Reading: Reading:** Test Assignment 7 to 15. **Note Making:** Test Assignment 16 to 21. **Notice Writing:** Test Assignment 4. **Poster Making:** Test Assignment 5, 6. **Letter Writing:** Test Assignment 10 to 14. **Speech Writing:** Test Assignment 34. **Debate Writing:** Test Assignment 39. **Report Writing:** Test Assignment 10.
Economics	**Gen. Instructions: i.** Learn the syllabus covered so far. **ii.** Do the following work in Register. **MACRO ECONOMICS: Q1.** How far can GDP be taken as an index of welfare? **Q2.** State the components of domestic factor income. To find out national income, what is added to it and why? **Q3.** Explain the problem of double counting. How it can be avoided? **Q4**. Explain the circular flow of income in 2-sector model. **Q5.** Numericals- Pg. 109-Q10, Pg. 112-Q16, Pg. 119- Q13, 14, Pg. 124-Q31. **INDIAN ECONOMIC DEVELOPMENT** **Q6.** State three main features of Indian economy at the time of independence. **Q7.** To what extent have the plans succeeded in accelerating the pace of growth of the Indian economy? Explain. **Q8.** Enumerate the technical and institutional reforms adopted to improve agriculture. **Q9.** What were the features of the Industrial Policy 1956? **Q10.** Explain the volume and composition of foreign trade. **Q11.** Describe the main components of the New Economic Policy 1991.
Accounts	Do Project work on "Comprehensive and Segment analysis" in Project file. Do the following questions in the Class Register No.2 **Part B: Ch-1:** Q43,45,46,49,50,53. **Ch-3:** Q17,19,22,24,25,28. **Ch-4:** Q11,13,14,16,20. **Ch-5:** Q33,36(b) ,41.

Phy. Edu.	**Practical -1.** Modified **AAHPERD** administration for all items. **Practical -2.** Conduct Barrow three items test on 10 Student. Do all the following questions in register: **Q1.** Write the differences between intra-murals and extra-murals. **Q2.** What do you mean by knock-out tournament? Draw the fixtures of 21 teams on knockout basis. **Q3.** What are the nutritive and non-nutritive components of diet? Explain. **Q4.** What do you mean by "Healthy weight" Explain the methods to control healthy body weight to lead healthy living.

B.St.	Do Project work on any one of the following:
	
	Marketing /Principle of management /Business environment / Stock exchange.
	
	Do the following questions in the class Register No.2
	
	    Part-A: Ch-1: Q5,6,7,8,9 on page no.51. **Ch-2**: Q1,5,6,7,9,10 on page no.106.
	
	        Ch-3: Q2,3,6 (a,b,c),7, 8 page No.144.
	
	    Part-B : Ch-11: Q2,4,5,6,7,8 page no 144.

Hindi	परियोजना कार्य ।
	
	सभी कार्य गृहकार्य कॉपी में करें ।
	
	1. आरोह (काव्य खंड) पाठ 1–3 पुनरावर्तन करें तथा सभी कविताओं के प्रतिपाद्य याद करके लिखें।
	
	2. आरोह (गद्य खंड) पाठ 1–3 पुनरावर्तन करें तथा निम्नलिखित प्रश्नों के उत्तर दें :–
	
	  (क) मॉल की संस्कृति और सामान्य बाजार तथा हाट की संस्कृति में अंतर स्पष्ट करें।
	
	  (ख) बाजारूपन से क्या तात्पर्य है? आप इससे कैसे बच सकते हैं ?
	
	  (ग) निबन्ध लिखे : - (1) "**विज्ञापन की दुनियाँ**" (2) "**मज़हब नहीं सिखाता आपस में बैर रखना**"
	
	3 पत्र: **क)** दैनिक समाचार पत्र के संपादक को पत्र :–राजनीति में होने वाले परिवर्तनों पर प्रतिक्रिया व्यक्त करते हुए।
	
	    ख) शिमला यात्रा या अन्य किसी पर्वतीय स्थल की यात्रा के कार्यक्रम की सूचना देते हुए मित्र को पत्र।
	
	4. अभिव्यक्ति और माध्यम – पाठ–1 के सभी संक्षिप्त प्रश्नोत्तर याद करें।

Note: Do all given work in assignment register:

Q1. (a) Find values of x and y , $\begin{bmatrix} 3x+7 & 5 \\ y+1 & 2-3x \end{bmatrix} = \begin{bmatrix} 0 & y-2 \\ 8 & 4 \end{bmatrix}$

(b) If $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 3 & -1 & 3 \\ -1 & 0 & 2 \end{bmatrix}$, find $2A - B$.

(c) Express as the sum of symmetric and skew symmetric , $A = \begin{bmatrix} 3 & 5 \\ 1 & -1 \end{bmatrix}$

(d) Find the area of triangle using determinant with vertices $(1,0),(6,0),(4,3)$

Q2. If $A = \begin{bmatrix} 3 & -5 \\ -4 & 2 \end{bmatrix}$, show that $A^2 - 5A + 14\,I = 0$, hence find A^{-1}.

Q3. If $A = \begin{bmatrix} 1 & -1 & 2 \\ 0 & 2 & -3 \\ 3 & -2 & 4 \end{bmatrix}$, Find A^{-1} using ERT

Q4. Using matrix ,solve the following system of linear equations $x + 2y - 3z = -4$, $2x + 3y + 2z = 2$, $3x - 3y - 4z = 11$.

Q5. If $A = \begin{bmatrix} 2 & -1 \\ 3 & 4 \end{bmatrix}$, $B = \begin{bmatrix} 5 & 2 \\ 7 & 4 \end{bmatrix}$, $C = \begin{bmatrix} 2 & 5 \\ 3 & 8 \end{bmatrix}$ find a matrix D such that $CD - AB = O$

Q6. Verify that $A\,(\text{adj } A) = (\text{adj } A).\,A = A \;\; I$, $A = \begin{bmatrix} 2 & 3 \\ -4 & -6 \end{bmatrix}$

Q7. Let $A = \begin{bmatrix} 0 & 1 \\ 0 & 0 \end{bmatrix}$, Show that $(aI + bA)^n = a^n\,I + na^{n-1}bA$,where I is the identity matrix.

Q8. If $A = \begin{bmatrix} 0 & 6 & 7 \\ -6 & 0 & 8 \\ 7 & -8 & 0 \end{bmatrix}$, $B = \begin{bmatrix} 0 & 1 & 1 \\ 1 & 0 & 2 \\ 1 & 2 & 0 \end{bmatrix}$ and $C = \begin{bmatrix} 2 \\ -2 \\ 3 \end{bmatrix}$ verify $(A+B)\,C = AC + BC$.

Q9. a. Find x, if $\begin{bmatrix} 3 & 4 \\ 2 & x \end{bmatrix}\begin{bmatrix} x \\ 1 \end{bmatrix} = \begin{bmatrix} 19 \\ 15 \end{bmatrix}$ **b.** Evaluate $\begin{vmatrix} a+ib & c+id \\ -c+id & a-ib \end{vmatrix}$

c. Find value of K , if area of triangle is 4 square unit , when its vertices are $(k,o) , (4,0) , (0,2)$

Q10. Express the following matrix as the sum of symmetric and skew symmetric matrix $\begin{bmatrix} 3 & 2 & 5 \\ 4 & 1 & 3 \\ 0 & 6 & 7 \end{bmatrix}$

Q11. Find a matrix A such that $\begin{bmatrix} 2 & -1 \\ 1 & 0 \\ 3 & 4 \end{bmatrix} A = \begin{bmatrix} -1 & -8 \\ 1 & -2 \\ 9 & 22 \end{bmatrix}$

Q12. Using properties of determinants prove that: $\begin{vmatrix} x & x^2 & 1+px^2 \\ y & y^2 & 1+py^2 \\ z & z^2 & 1+pz^2 \end{vmatrix} = (1+pxyz)\,(x-y)\,(y-z)\,(z-x)$.

Q13. Find $A^2 - 5A + 6\,I = 0$, if $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$

Q14. Using ERT find universe of matrix $\begin{bmatrix} 2 & -1 & 4 \\ 4 & 0 & 2 \\ 3 & -2 & 7 \end{bmatrix}$

Q15. Using matrix solve the following system of linear equation $x+y+z=6$, $x+2z=7$, $3x+y+z=12$.

Q16. Using properties of determinants prove that

$\begin{vmatrix} a+b+2c & a & b \\ c & b+c+2a & b \\ c & a & c+a+2b \end{vmatrix} = 2(a+b+c)^3$

Q17. Using properties of determinant, prove that $\begin{vmatrix} b+c & a-b & a \\ c+a & b-c & b \\ a+b & c-a & c \end{vmatrix} = 3abc - a^3 - b^3 - c^3$

Q18. Solve the following system of equation using matrix method: $2x-3y+5z=11$, $3x+2y-4z=-5$, $x+y-2z=-3$.

Q19. Determine the product $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix}\begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$ and use it to solve the system of equation $x-y+z=4$, $x-2y-2z=9$ and $2x+y+3z=1$

Note: Do all given work in class register:

Q1. (a) What will be the content of jTextArea1 after executing the following statement:

jTextArea1.setText(" java is \nwonderful programming \tlanguage ");

(b) Rewrite the following program code using do while loop.

```
int i=1, sum=0;
while (i<15){sum +=i;
i +=2;}
```

(c) Rewrite the corrected following code by underlining the corrected area

```
int k, l = 6;              int k, I = 6;      k= =I+6,
if ( k=l){   jTextField1.getText("K And L are Unequal");}
else        jTextField1.setText(K And L are equal);
```

(d) What will be the contents of JTextField1 and JTextFiled2 after executing the following code

(i) jTextField1.setText(Math.round(2.5)+""); **(ii)** TextField2.setText("Micro".concat("System"));

(e) ABC Sales Enterprise wants developed a software to make the bill for their customer. GUI for the application given below. Write the java statement for the following requirements.

(i) Write the statement to make the text fields (txtDiscount) and txtNet noneditable.

(ii) Calculate discount and net amount for calculate button based on the following criteria.

Sales Amount	Discount(%)
>=5000	5
>=3000	3
>=1000	1

(iii) Write the statement to clear all textfields when clicking the clear button.

(iv) Write the java statement for the exit button to close the application.

Q2. (a) In a java program Rajat wants to use a variable to store the quantity of an item which may be in whole numbers or decimals. Write a suitable java statement to declare the variable for the above mentioned purpose.

(b) What will be the values of num and num1 after execution of the following code:

```
int num, num1=0;
    for(num=100;num<=101;num++)
    {    num1= num+2;                --num1; }
```

(c) Raman has typed the following code:

```
int ch=Integer.parseInt(jTextField1.getText());
switch(ch)        {      case 1: jTextField2.setText("Service");
                        case 2: jTextField2.setText("Complaint");
                        case 3: jTextField2.setText("Operator");  break;
                        default: jTextField2.setText("Not a valid entry");   }
```

On entering the value 1, 2 or 3, he is getting the same output. Mention the possible reason for the same.

Q3. (a) Given a String object named 'code' having value as "908" stored in it. What will be result of the following? JOptionPane.showMessageDialog(null, " " +(code.length( )+ Integer.parseInt(code)));

(b) What will be displayed in jTextField1 and jTextField2 after the following code is executed:

```
int num = 35 , num1 = 46 ;
jTextField1.setText( num + num1 + " " ) ;  jTextField1.setText( " " + num + num1 ) ;
```

(c) Find output of the following java code snippet:

```
String word="Highrise";         String wordlc = word.toLowerCase();
 for (int i = 0; i < wordlc.length(); i+=4)            {   String extstr = wordlc.substring(i,i+2);
         jTextArea1.append(extstr+"\n");  }
```

Q4. Draw a chart of all HTML tag with their attributes with example in notebook.

Do Q2, Q3, Q4 from CBSE sample papers given in your book.

"Wish you a happy and enjoyable Holidays"