## SUMMER VACATION HOLIDAY HOMEWORK

## SUBJECT NAME : Life Skills

CLASS & SECTION: X (All sections) SUBJECT TEACHER NAME: Shatakshi Pareek

## **INSTRUCTIONS:**

**Submission Date**: All holiday homework must be neatly completed and submitted immediately after the vacation.

**Presentation Matters:** Use neat handwriting, and organize your work clearly. Use a file/folder and not notebooks.

**Creativity Encouraged:** You are welcome to use diagrams, colored pens, charts, or pictures to make your work more attractive and informative.

**Original Work:** Try to do the work independently. Avoid copying from the internet or friends. **Daily Practice:** Do a little every day instead of rushing at the last moment.

## **ASSIGNMENT : POSITIVE AFFIRMATION JOURNAL**

Every morning or evening for the next 7 days, write down 5 positive affirmations in a file. These affirmations should be in the present tense and focus on your strengths or goals. After writing them, say them out loud to yourself. Stand in front of a mirror if possible.

• Example:

• "I am confident in my abilities."

• "I stay calm and focused during exams."

• "I am growing and learning every day."

After 7 days, write a short paragraph (6–8 sentences) answering the following:
How did repeating affirmations make you feel?

• Did your mood, motivation, or confidence change during the week?

SUMMER VACATION HOLIDAY HOMEWORK : 2025-26

## INFORMATION

SUBJECT NAME: BIOLOGY

CLASS & SECTION: X A, X B, & X C

SUBJECT TEACHER NAME: BHUPENDRA BIHARI VYAS

**INSTRUCTIONS: 1** Attempt all contents of the given chapter **2**. Make a project file or a separate notebook for the same

#### ASSIGNMENT

CHAPTER : MANAGEMENT OF NATURAL RESOURCES

Content 1. Introduction

**Content 2. Forests and Wildlife** 

**Content 3. Chipko Movement** 

**Content 4. Water Pollution** 

**Content 5. Water Harvesting** 

**Content 6. Fossil Fuels** 

Content 7. Concept of 5 R's

**Content 8. Green Hydrogen Mission** 

## SAINIK SCHOOL CHITTORGARH SUMMER VACATION HOLIDAY HOMEWORK

INFORMATION

#### SAINIK SCHOOL CHITTORGARH SUMMER VACATION HOLIDAY HOMEWORK

SUBJECT: COMPUTER SCIENCE (083) CLASS & SECTION : X (A, B, C)

SUBJECT TEACHER: MR ABHISHEK BHARDWAJ

## INSTRUCTIONS

(i) Do your homework by yourself.

(ii) Use separate notebook for holiday homework.

(iii) Don't Google to find the answers.

(iv) Answers should be neat & clean with concepts.

(v) Do all work with date & day.

(vi) Try to do your written work regularly to enhance your writing power.

(vii) Pay special attention towards your health and caring.

(viii) Completed notebook to be submitted on 01 Jul 25 positively.

(ix) In case of any difficulty please mail me at ssccomputerscience@gmail.com

- 1. Differentiate between Computer Architecture (CA) & Computer Organization (CO).
- 2. Draw a neat and clean diagram of Basic Computer Organization. Explain its components.

### 3. Case Study:

AMD and Intel both are processor manufacturing companies. What do they consider in terms of Computer Organization and Computer Architecture while manufacturing processor?

- 4. Write down full forms of the following:
  - (i) ROM
  - (ii) RAM
  - (iiií) SIM
  - (iv) HDMI
  - (v) VLC
  - (ví) Wi-Fi
  - (vií) LAN
  - (viií) VoIP

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INFORMATION							
SUBJECT	NAME: Eng	lish		CLASS &	SECTION: X	– A,B and C	
SUBJECT	TEACHER N	IAME:		F	Rawal Rathore		
<ul> <li>INSTRUCTIONS:</li> <li>1. The holiday homework will be considered as your English project work.</li> <li>2. The marks awarded for this will be counted towards Internal –assessment.</li> <li>3. Project will be done in a file (plastic strip file with A4 sheet may also be used)</li> <li>4. Note-book of at least 150 pages – Q1, Q3.Q4, Q5.and Q6.</li> <li>4. On page 1: write -English Project Work, name, class, roll number, topic etc. ENGLISH PROJECT WORK</li> </ul>							
CLASS: SCHOOL NUMBER: HOUSE:					SECTIO	DN	
5. Last pag This is to o project wo teacher).	5. Last page of the project will carry the following certificate CERTIFICATE This is to certify that I OF Classhave done the English project work on my own. It is my own original work as per the guidelines provided by( Name of the teacher).						
Signature Name:							
			ASSIGNMEN	Т			
		Subje	ect Name: Eng	glish			
			<b>Reading Acti</b>	vity			
Q1.Read -	-a) The Hindu	I /The Times	of India b) W	atch the Wio	n News c) Re	ad magazines like- Frontline	
Learn at least 10 words daily and use it in sentences of your own. Do come prepared with four hundred words and sentences written in a separate note-book of at least 150 pages. Creative -writing Q2. Prepare a portfolio covering the following topics (One page for each): i. All About Me (Introduction) ii. What Makes Me Strong (My Strengths) iii. Where I Can Get Better (Areas to Improve) iv. Moments I'm Proud Of (My Achievements) v.Fun Times! (Events and Activities I Joined) vi. My Reading Adventures (Books I've Read) My Next Reading Goal (A Book I Want to Read)							
Q3. The following table shows the number of books read by students of Classes 9 and 10 in a month. Write an							
analytical p	aragraph in ab	bout 100-120 v	vords, describ	ing the data.	0. 4 1	1	
	Class -0	0-2 DOOKS	3-5 DOOKS 40	0-8 DOOKS	9+ DOOKS		
	Class-9	10	35	30	25		
Q4. You are world is fac lv Pander them show problem Q5. You ha (a) Theme Q6.Questic of Surgery	e Rajiv/Rekha, ing five major nics and Heali ing your conce ave just read to /Central Idea onnaire Makir	a resident of problems. i. C th Crises v ern about it, in two of the po (b) Summary ng :(i)Prepare	Brindavan End Climate Chang Cyber security not more than ems of Rober y (c) Figures 10 short answ	clave, Jaipur. I e. ii. Global Co Threats –. Wi 120-150 word t Frost. (a) of Speech (d) ver questions f	Looking at the onflicts and Wa rite a letter to ds. Also sugge Dust of Snow Rhyme Sche from the story	present scenario you find the ars iii. Economic Inequality –. the Editor on each one of st some ways to curb the (b) Fire and Ice me (d) Meanings of words a) A Letter to God b) A triumph	
(ii)Prepare	(II)Prepare a Unaracter-sketch of Lencho, and Mrs. Pumphery in 120-150 words. Note: In case of clarification contact at-7357138255. Between 8.00 PM to 8.30 PM						

The deadline for submission of the above work is July 1, 2025, within the subject period.

Note\*: Kindly allocate the required number of questions.

## SUMMER VACATION HOLIDAY HOMEWORK 2025-26

SUBJECT NAME: HINDI	CLASS & SECTION: X – A, B, C					
SUBJECT TEACHER NAME: MR RAMESH SAH						
INSTRUCTIONS: • सभी प्रश्नों को क्रमानुसार हल करें।						
<ul> <li>अवकाश के बाद विद्यालय आने पर गृहकार्य जमा करना अति आवश्यक है।</li> </ul>						
• यह अवकाश कार्य आप के आंतरिक मूल्यांकन के अंतर्गत बह्-मूल्यांकन						
(Multiple Assessment) का एक अंग है।						
ASSIGNMENT						
क्षितिज भाग - 2 एवं कृतिका भाग - 2						
प्रश्न 1. अपने विद्यालय द्वारा आयोजित पंचमढ़ी यात्रा का विवरण लगभग 300 शब्दों में						
अपने अनुभवों के आधार पर रोचक ढंग से लिखिए।						
प्रश्न 2. "बालगोबिन भगत" एवं "नेताजी का चश्मा" पाठ का सारांश संक्षेप में लिखें।						
प्रश्न 3. विज्ञापन से आप क्या समझते है ? इसकी आज के समय में क्या आवश्यकता है ?						
अपने दैनिक जीवन में प्रयोग होने वाली किन्ही 5 चीजों (उत्पादों) का विज्ञापन बनाएँ।						
प्रश्न 4. पत्र लेखन के महत्त्व को बताते हुए औपचारिक पत्र और अनौपचारिक पत्रों के पाँच-पाँच						
नमूनों को लिखें।						
<b>प्रश्न 5.</b> कोई एक कविता (150 शब्द) अथवा कहानी (400 शब्द) अथवा निबंध (400 शब्द)						
लिखिए जिसमें आपके सपनों का वर्णन (NDA एक ज़िद) हो, जो आप अपने जीवन में हासिल						
करना चाहते हैं।						
PROJECT WORK:						
<b>प्रश्न 1.</b> हिंदी के किन्ही 5 रचनाकारों का सचित्र जीवन परिचय एक चार्ट पेपर पर बनाएँ।						

#### SAINIK SCHOOL CHITTORGARH SUMMER VACATION HOLIDAY HOMEWORK

SUBJECT NAME - MATHEMATICS							
CLAS	SS & SECTION:	Х	SUBJECT TEACHER NAME:	AMIT KUMAR JHA			
<ul> <li>INSTRUCTIONS:</li> <li>(i) All questions are compulsory.</li> <li>(ii) Write your answers in clear and legible handwriting.</li> </ul>							
ASSIGNMENT							

## CHAPTER 1: REAL NUMBERS

**Q 1.** The numbers 525 and 3000 are both divisible only by 3, 5, 15, 25 and 75. What is HCF (525, 3000) ? Justify your answer.

**Q 2.** Show that the square of any positive integer cannot be of the form 6m + 2 or 6m + 5 for any integer m.

**Q 3.** Show that 12n cannot end with the digit 0 or 5 for any natural number n.

**Q 4.** Prove that one of any three consecutive positive integers must be divisible by 3.

**Q 5.** For any positive integer n, prove that  $n^3 - n$  is divisible by 6.

## CHAPTER 2: POLYNOMIALS

**Q 1.** Find k so that  $x^2 + 2x + k$  is a factor of  $2x^4 + x^3 - 14x^2 + 5x + 6$ . Also find all the zeroes of the two polynomials.

**Q 2.** For which values of a and b, are the zeroes of  $q(x) = x^3 + 2x^2 + a$  also the zeroes of the polynomial  $p(x) = x^5 - x^4 - 4x^3 + 3x^2 + 3x + b$ ? Which zeroes of p(x) are not the zeroes of q(x)?

**Q 3.** Given that the zeroes of the cubic polynomial  $x^3 - 6x^2 + 3x + 10$  are of the form a, a + b, a + 2b for some real numbers a and b, find the values of a and b as well as the zeroes of the given polynomial.

**Q 4.** If the remainder on division of  $x^3 + 2x^2 + kx + 3$  by x - 3 is 21, find the quotient and the value of k. Hence, find the zeroes of the cubic polynomial  $x^3 + 2x^2 + kx - 18$ .

**Q 5.** Find the zeroes of the polynomial  $x^2 + 1/6 x - 2$ , and verify the relation between the coefficients and the zeroes of the polynomial.

## CHAPTER 3: PAIR OF LINEAR EQUATIONS IN TWO VARIABLES

**Q 1.** Do the equations 4x + 3y - 1 = 5 and 12x + 9y = 15 represent a pair of coincident lines? Justify your answer.

**Q 2.** For which value(s) of  $\lambda$ , do the pair of linear equations  $\lambda x + y = \lambda 2$  and  $x + \lambda y = 1$  have

(i) no solution? (ii) infinitely many solutions? (iii) a unique solution?

**Q 3.** Two straight paths are represented by the equations x - 3y = 2 and -2x + 6y = 5. Check whether

the paths cross each other or not.

**Q 4.** Two straight paths are represented by the equations 6x - 3y = 20 and -20x + 16y = 50. Check whether the paths cross each other or not.

**Q 5.** Draw the graph of the pair of equations 2x + y = 4 and 2x - y = 4. Write the vertices of the triangle formed by these lines and the y-axis. Also find the area of this triangle.

## **PROJECT WORK:**

## System of linear equations:

To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.

Notebook Assignment:

Make a short notes and summary of above mentioned chapters Chapter 1,2 & 3.

## SUMMER VACATION HOLIDAY HOMEWORK

SUBJECT NAME: PHYSICS	CLASS & SECTION: X (A,B)				
SUBJECT TEACHER NAME: Mr Onkar Singh, Mr Bhandarkar C L					
INSTRUCTIONS: Please prepare file in support of model.					
Use your own creativity.					
Marks for projects will be counted for subject					
Enrichment internal marks.					
ASSIGNMENT					
CHAPTER1:REFLECTION AND REFRACTION					
Content 1.SOLVE THE FOLLOWING QUESTIONS.					
1. In order to obtain a real image of magnification 2 using a converging lens of					

focal length 20 cm, where should an object be placed from the lens?

2. A convex lens is made of a material having refractive index 1.2. If it is dipped in water (1.33), it will behave like a ------

3.Two thin lenses of power,+ 3.5 D and -2.5 D are placed in contact, then the power and focal length of the lens combination is ------

4. The distance between object and the screen is D .Real images of an object are formed on the screen for two positions of a lens separated by a distance 'd'. The ratio between the sizes of two images will be------

5. In which of the following set, the materials are arranged on the basis of ascending order of their refractive index?

(a) air, silicon, water, diamond (b) air, silicon, kerosene, diamond (c) air, water, silicon, diamond (d) alcohol, air, silicon, diamond

6. A lens forms a real image of a point object placed on its principal axis. If the upper half of the lens is cut ,What is the effect on image formed?

7. A convex lens of focal length 'f' produces a real images of size m-times the size of the object. Then the object distance is—-----

8. The change in focal length of an eye lens is caused by the action of---

9. The human eye can focus objects at different distances by adjusting the focal length of the eye lens. This is due to ------

10. The broad wavelength range of visible spectrum is------

11. The distance of distinct vision of a person is 50 cm. He wants to read book placed at 25 cm. What should be the focal length of the spectacles?

12. Different objects at different distances are seen by the eye. The parameter that

remains constant is------

Content 2. Prepare at least one model/project from the following: -

**1.** Prepare the chart (3x2 ft) of position and nature of the image formed for the different position of the object in case of concave mirror.

**2.** Prepare the colourful chart (3X2 ft) for the different defect of vision their causes, defective eye ray diagram and its rectification.

**3.** Draw the labelled diagram of structure of human eye.

4. Prepare the chart (3x2 ft) of position and nature of the image formed for the different position of the object in case of Lenses.

## Holiday homework for class X (SOCIAL SCIENCE) (DHIRAJ SHARMA)

File work for different topics for different sections

#### CLASS – XA TOPIC – CONSUMER AWARENESS

Following contents may be added for above mention topics

- (i) Aim of consumer awareness
- (ii) Meaning of consumer awareness
- (iii) Need of consumer awareness
- (iv) Consumer Redressal System in India
- (v) No. of consumer rights
- (vi) Consumer responsibilities
- (vii) Major concerns of consumer movement in India
- (viii) Example of consumer Exploitation
- (ix) Conclusion
- (x) Paste pictures from newspaper or handmade pictures as much u can

#### CIASS – XB TOPIC – SOCIAL ISSUES

Following contents may be added for above mention topic

- (i) Highlight any one social evil which you feel India is cursed with today
- (ii) Give reasons why we are facing this evil after so many constitutional arrangements
- (iii) Collect data from newspaper or magazine or from your surroundings to prove it is serious social concern and needs to be dealt with utmost priority.
- (iv) Suggest ways to overcome this evil and prepare guidelines for social campaigns.
- (v) Make a collage of newspaper cutting to show how it is affecting our society(Handmade pictures are also acceptable)
- (vi) Write a slogan for any one social evil that you have dealt with.
- (vii) List the programme and policies introduced by the government to eradicate this evil
- (viii) Conclusion
- (ix) Bibliography

#### CLASS – XC TOPIC – SUSTAINABLE DEVELOPMENT

Following contents may be added for above mention topic

- (i) What is sustainable development?
- (ii) Is sustainable development just about saving the environment, or other are there other factors involved such as human welfare, construction, politics or economies?
- (iii) Are there any local sustainable development projects?
- (iv) What are the benefits of sustainable development?
- (v) What are some national sustainable projects?
- (vi) What are problems and challenges associated with sustainable development?
- (vii) What are some organizations that are involved in sustainable development?
- (viii) Zero hunger
- (ix) Clean water and sanitation
- (x) Conclusion
- (xi) Bibliography
- (xii) Paste pictures from newspaper or handmade pictures as much u can