

SUBJECT	
SCIENCE	<p>1. Write lab activities of chapter-12(Some natural phenomenon) and chapter -13 (light) with viva voce and Multiple choice questions in your science notebook.</p> <p>2. Prepare a project on</p> <p>a) Pinhole camera (Rollno-1 to 10)</p> <p>b) Lightning conductor (Rollno-11 to 20)</p> <p>c) Kaleidoscope (Rollno-21 to 30)</p> <p>d) Periscope (Rollno-31 to 41)</p> <p>3. Learn Chapter-9(Friction) and Chapter-10 (Sound)</p>
MATHS	<ul style="list-style-type: none"> ● Holiday Homework will be marked for Internal Assessment so it is mandatory to complete and submit it on time. ● Complete Maths notebook till Ch 8. ● Solve the following worksheet in your fair notebook <p style="text-align: center;">Worksheet – 1 Chapter 7 (Comparing Quantities)</p> <p>1 . The percentage form of 0.25 is: (A) 25% (B) 0.25%. (C) 4%. (D) 75%</p> <p>2. A pen marked at ₹100 is available for ₹90. Find the discount given. (A) ₹5 (B) ₹10 (C) ₹15. (D) ₹20</p> <p>3. The measures of $\angle A$, $\angle B$ and $\angle C$ of a triangle are 40°, 60° and 80° respectively. Find the following ratio: (i) Angle A to Angle C (ii) Angle B to the sum of Angle A and Angle C</p> <p>4. If ₹ 250 is to be divided amongst Ravi, Raju and Roy, so that Ravi gets two parts, Raju three parts and Roy five parts. How much money will each get? What are their percentages?</p> <p>5. A shop gives 20% discount on all items. If Sneha buys the following articles from that shop, what will be the total amount of her bill? (a) A dress marked at ₹ 1200 (b) A pair of shoes marked at ₹ 750</p> <p>6. Suman purchased a pair of jeans for ₹ 2,160 including 8% sales tax. Find the price of pair of jeans before sales tax was added.</p> <p>7. Ashmeet purchased a fan for ₹ 4480 including 12% GST. Find the price before GST was added.</p> <p>8. If Priya had ₹ 250 left after spending 75% of her money, how much did she have in the beginning?</p> <p>9. Find the population of a city after 2 years, which is at present 12 lakh, if the rate of increase is 4%.</p> <p>10. The list price of a dress is ₹ 2,200. A discount of 20% is given during festival season. What is the sale Price of the dress?</p> <p>11. Find the compound interest on ₹ 20,000 for 2 years at 10% per annum compounded annually.</p> <p>12. The population of a place increased to 46818 in the year 2020 at a rate of 2% per Annum. Find the population of that place in the year 2018.</p>

Worksheet – 2
Chapter 8 (Algebraic Expressions and Identities)

1. What is the coefficient of x^3 in the following expressions:
(i) $5x^3 + x + 6t$. (ii) $2y^2 - 3x^3 + 6x^2$. (iii) $x^3 - 2$
2. Classify the following expressions as monomials, binomials or trinomials:
 $2/3ab^2$, $x^2 - xy + 15$, $6pq + 3$, $x^2 + y^2$, $18x^2$, $12xy^2 + 6y$, $-14x^2 - 10x - xy^2$
3. In the following expressions, identify the terms which are not constants.
Also, Write their coefficients:
 $13 - y + 5y^2$, $xy + 4$, $13 - y^2$, $4p^2q - 3pq^2 + 5$
4. Add the following expressions:
 $6y^3 - 8y^2 + y - 9$ and $3y^2 - 8y^3 - y + 7$
5. Add the following: $-2x^2 - 5y^2$, $9y^2 - 4z^2$, $7z^2 - 6x^2$
6. Subtract $4x - 7xy + 3y + 12$ from $5y - 3 - 9xy + 12x$.
7. Subtract $5x^2 - 6xy + 7y^2$ from $3x^2 - 3xy - 4y^2$
8. Add the expressions $-3x^3 + 6x^2 + 2$ and $x^2 + 2x - 4$ and subtract the sum obtained from $5x^3 - 6x + 2x^2 + 7$.
9. Find the following products:
(a) $2x \times 7x$. (b) $3x^2 \times 6x^3$. (c) $(-7x^2) \times 2y$. (d) $(-3/2x^2y^2) \times (-6/7xy^2)$
10. Simplify:
(i) $(5x - 4)(2x + 3)$. (ii) $(x - y)(3x + 4y)$
11. Simplify: $x(x^2 - 5x + 3) + (x + 8)(3x)$
12. Multiply $3x^2y^2$ by $(x^3 + 2y^2)$.
13. Multiply $(4ab^2 + 5ab^3)$ by $6ab$.
14. Multiply $(a + 2b)$ by $(2a - 3b)$.
15. Multiply $(2y^2 + 3y - 5)$ by $(3y^2 - 5y)$

SOCIAL
SCIENCE

Dear Students,

Please complete the following assignments during the winter holidays. Ensure that all work is neatly compiled and assembled into a project file for submission on **13th January**.

1. Caricature on Social Discrimination

On an A4-sized sheet, draw a caricature to depict social discrimination faced by marginalized sections of society. Ensure the illustration is creative and meaningful.

2. Population Demography of India (2024)

On an A4-sized sheet, illustrate the population demography of India in 2024. Refer to page 73 of your Geography textbook for data representation.

3. Centres of the Revolt of 1857

Using a political map of India, locate the main centers of the Revolt of 1857

	<p>Paste stamp-sized pictures of the leaders associated with the revolt in the respective areas they led.</p> <p>4. Assignment Completion</p> <p>Take a printout of the assignment provided and complete it as instructed.</p> <p>We look forward to your creativity</p>
ENGLISH	<p>Do the Grammar worksheets in your Grammar book Worksheet no. 12 and 13 from page no. 119 to 121 Worksheet no. 17,18 and 19 from page no. 178 to 182</p>
हिन्दी	<ul style="list-style-type: none"> ● सभी छात्र इकाई 4 परीक्षा के लिए तैयारी करें ● आप सभी के व्हाट्सएप ग्रुप पर अभ्यास पत्रिकाएं भेजी जाएंगी जिन्हें आप को प्रिंट निकाल अपनी हिन्दी उत्तर पुस्तिका में पूर्ण करना है। ● "जल ही जीवन है" पर एक परियोजना कार्य बनाए। ● भारत की खोज के पाठ 6 से 9 को पढ़ें और दिए प्रश्नों के उत्तर कॉपी में लिखें : <ol style="list-style-type: none"> 1. सन् 1857 का राष्ट्रीय विरोध असफल क्यों रहा ? 2. शिक्षा का प्रचार - प्रसार एवं तकनीकी परिवर्तनों का समाज पर क्या प्रभाव पड़ा ? 3. मुगल शासन काल में साहित्य को बढ़ावा कैसे मिला स्पष्ट कीजिए ? 4. अमीर खुसरो कौन थे ? 5. भारत में ब्रिटिश शासन की स्थापना से नहीं घटने वाली घटना क्या थी ? 6. शिवाजी कौन थे ? उनका नाम भारतीय इतिहास में लोकप्रिय क्यों है ? 7. राजा राम मोहन राय ने सती प्रथा के लिए क्या किया ? 8. औरंगजेब कौन था ? उसकी नीतियों के बारे में बताइए ? 9. स्वामी विवेकानंद जी के व्यक्तित्व की विशेषताओं के बारे में बताइए। 10. जवाहरलाल नेहरू द्वारा रचित भारत की खोज पुस्तक से आपको क्या सीखने को मिला ?
संस्कृत	<ol style="list-style-type: none"> 1. अवकाश—याचनार्थं प्रधानाचार्य प्रति प्रार्थनापत्रम् लिखत । 2. मित्राय पत्रम् । 3. ग्रामस्य कुम्भकारस्य चित्रं दृष्ट्वा चित्र वर्णन करोतु । 4. गुरुकुलस्य चित्रं दृष्ट्वा चित्र वर्णन करोतु । 5. मेट्रो स्थानकस्य चित्रं दृष्ट्वा चित्र वर्णन करोतु । 6. लकार परिवर्तन करें - रामः फलं खादति (लृट लकार) , अहम् गच्छामि (लोट लकार) त्वं खादसि (लंग लकार) , यूयं विद्यालयं गच्छथ (विधिलिङ लकार) 7. सूर्य ग्रहण व चन्द्र ग्रहण पर a ३ चार्ट निर्माण । 8. क्षितो राजते भारत स्वर्ण भूमिः गीत को कंठस्थ याद करें । 9. इकाई परीक्षा - ४ का पाठ्यक्रम याद करें ।

COMPUTER

Do the worksheet of chapter-9 in your fair notebook as discussed in the class.

Worksheet 9
Chapter 9: Cyber Ethics

A. Match the online unethical practice with its description in the box by writing the number in the box with the Practice, in the space provided in the box.

Using and projecting the work of another person as one's own _____

Sending bulk emails for commercial advertising _____

Illegal intrusion into a computer system to steal or tamper with data _____

Sending a malicious email misleading a user to believe it is from a trusted source _____

Harming or harassing a person using the internet _____

1. Hacking

2. Plagiarism

3. Phishing

4. Cyberbullying

5. Spamming

B. List two steps to prevent the following cybercrimes.

Cyberbullying

Phishing

Hacking

MUSIC	Raag - yaman Parichey , aroh,avaroh, chota khayal,swar,brandish,thane. Taal - dadara Parichey, taali,khali,boll,2 pattern.
ART & CRAFT	Make these two craft activities:- 1. Make HANDMADE JUTE BAG. (for help Watch the video) 2. Make CANVAS PAINTING -(Abstract art).
LIBRARY	