



पीएम श्री केन्द्रीय विद्यालय नं.1, तिरुपति शिफ्ट1

PM SHRI KENDRIYA VIDYALAYA No.1, TIRUPATI SHIFT1

AUTUMN BREAK HOLIDAYS HOME ASSIGNMENTS 2025-2026

SECONDARY LEVEL

CLASS X

ENGLISH

1. Words and Expressions.

Complete all the Units. Write Answers in the WORK BOOK in pen.

2. PORTFOLIO.

3. Complete Revision in Writing of P T 2 both Set 1 and Set 2 Grammar,
Writing and Literature. Learn and Write Answers in Subject Enrichment.

HINDI

1. निम्नलिखित विषयों पर संकेत बिन्दुओं के आधार पर लगभग 120 शब्दों में एक अनुच्छेद लिखिए :-

(क) जल बचाओ, पृथ्वी बचाओ

जल के बिना जीवन असम्भव

जल संरक्षण का महत्व

जल संरक्षण के उपाय

2. आप अनुपमा /अनुपम हैं । आपके क्षेत्र को मुख्य सड़क से जोड़ने वाली सड़क पर लाइटें खराब हो गई हैं, जिससे दुर्घटना की आशंका बढ़ गई है । इस ओर ध्यान आकर्षित कराते हुए सार्वजनिक लोक निर्माण विभाग को लगभग 100 शब्दों में पत्र लिखिए ।

3. आप सोनम / सोहन हैं । आपने विद्यालय की भाषण प्रतियोगिता में प्रथम स्थान प्राप्त किया है । अपने दादाजी को विद्यालय की भाषण प्रतियोगिता की संपूर्ण जानकारी देते हुए लगभग 100 शब्दों में पत्र लिखिए ।

4. आप मेधावी / माधव हैं । आपने पत्रकारिता में अपना अध्ययन पूरा कर लिया है। किसी प्रसिद्ध दैनिक समाचार पत्र में पत्रकार का पद रिक्त है। आप उक्त पद की योग्यता (पत्रकारिता में स्नातक) को धारण करते हैं। उक्त रिक्त पद हेतु समाचार पत्र के प्रमुख को आवेदन भेजने के लिए लगभग 80 शब्दों में अपना एक स्ववृत्त तैयार कीजिए ।

5. आप प्रियांशी / प्रियांशु हैं । ए.टी.एम. कार्ड न मिलने की सूचना देते हुए संबंधित बैंक शाखा प्रबंधक को लगभग 80 शब्दों में एक ई-मेल लिखिए ।

6. प्रदूषण से बचने के लिए पर्यावरण विभाग की ओर से जनहित में जारी एक आकर्षक विज्ञापन लगभग 40 शब्दों में तैयार कीजिए ।

7. आपके कक्षा अध्यापक को 'राष्ट्रीय शिक्षक पुरस्कार' से सम्मानित किया गया है। उन्हें बधाई देते हुए लगभग 40 शब्दों में संदेश लिखिए ।

SANSKRIT

1. अधोलिखितानि वाक्यानि संस्कृतभाषया अनूद्य लिखत -

(i) विज्ञान के इस युग में बहुत आविष्कार हुए ।

In this era of science, numerous inventions have taken place.

(ii) स्वस्थ शरीर में स्वस्थ मन होता है ।

A healthy mind resides in a healthy body.

(iii) रूस और यूक्रेन के बीच युद्ध कब समाप्त होगा?

When will the war between Russia and Ukraine come to an end?

(iv) तुम्हारा स्वास्थ्य कैसा है?

How is your health?

(v) कभी भी अहंकार मत करो।

Never be arrogant.

2. अधोलिखितवाक्येषु रेखाङ्कितपदेषु सन्धिं सन्धिच्छेदं वा कुरुत-

(i) योजकस्तत्र

(ii) भवेत् + येन

(iii) पुनः + अपि

(iv) खल्वेतत्

3. अधोलिखितवाक्येषु रेखाङ्कितपदानां समासं विग्रहं वा प्रदत्तविकल्पेभ्यः चित्वा लिखत -

(i) महादेवी करुणां करोतु ।

(ii) समानशीलव्यसनेषु सख्यम् ।

(iii) कुत्सितवस्तुमिश्रितं भक्ष्यं समलं धरातलम् ।

(iv) ततः प्रविशतः तापसौ कुशलवौ ।

4. अधोलिखितवाक्येषु रेखाङ्कितपदानां प्रकृति-प्रत्ययौ संयोज्य विभज्य वा उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत -

(i) वाक्पटुः धैर्यं + मनुष्य मन्त्री सभायामप्यकातरः ।

(ii) सा भामिन् + डीप् व्याघ्रस्य भयात् विमुक्ता ।

(iii) किं कुपिता एवं भणति उत प्रकृतिस्था ?

5. वाच्यानुसारम् उचितपदैः रिक्तस्थानानि पूरयित्वा अधोलिखित-वाक्यानि पुनः लिखत -

(i) पित्रा आपणात् _____ आनीयन्ते ।

(क) फलानि (ख) फलम् (ग) फले (घ) फलैः

(ii) _____ शाटिकां क्रीणामि ।

(क) मया (ख) अहम् (ग) अस्मभिः (घ) आवाम्

(iii) अहमत्र भवतोः जनकं नामतो वेदितुम्_____?

(क) इष्यते (ख) इष्यन्ते (ग) इच्छामि (घ) इच्छति

6.कालबोधकशब्दैः अधोलिखित-दिनचर्या पूरयत-

(i) भाविका प्रातः_____ (4:00) वादने उत्तिष्ठति ।

(ii) तदनन्तरं सा_____ (05:15) वादने योगाभ्यासं करोति ।

(iii) योगासनात् परं सा _____ (6:30) वादने स्नानं करोति ।

(iv) तदनन्तरं सा_____ (7:45) वादने विद्यालयं गच्छति ।

7.मञ्जूषायां प्रदत्तैः उचितैः अव्ययपदैः अधोलिखितवाक्येषु रिक्तस्थानानि पूरयत -

(i)_____ असत्यं वदिष्यति तर्हि उचितं न स्यात् ।

(ii) कर्महीनः जनः_____ भ्रमित्वा समयं यापयति ।

(iii) अहम्_____ तत्र गन्तुम् इच्छामि ।

मञ्जूषा: इतस्ततः, अपि, यदि

8.किमपि चित्रद्वयं स्वीकृत्य पञ्च वाक्यानि लिखत

SCIENCE

1.SOLVING OF CBSE SAMPLE QUESTION PAPER 2025-26

https://cbseacademic.nic.in/web_material/SQP/ClassX_2025_26/Science-SQP.pdf

2. SOLVING OF CBSE SAMPLE QUESTION PAPER 2024-25

https://cbseacademic.nic.in/web_material/SQP/ClassX_2024_25/Science-SQP.pdf

SOCIAL SCIENCE

(Manufacturing industries)

1. Explain any five factors affecting the location of an industry ?

(Money and credit)

2. What are self -help groups? How they work? Explain.

3. Describe the vital and positive role of credit with examples ?

(The age of industrialization)

4. How did industries develop in India in the second half of the 19 th century ?

MATHEMATICS

1. Prove the following numbers are irrational numbers.

(i) $\sqrt{3}$ (ii) $\sqrt{5}$ (iii) $5 + 4\sqrt{3}$ (iv) $5 - 4\sqrt{3}$

2. Find the zeroes of the Quadratic polynomials, and also verify the relationship between the zeroes and the coefficients of the polynomials

(i) $5x^2 + 8x - 4$. (ii) $6x^2 - 3 - 7x$.

3. Draw the graphs of the equations $x - y + 1 = 0$ and $3x + 2y - 12 = 0$.

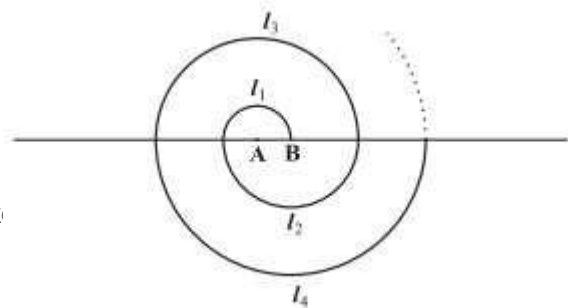
Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis, and shade the triangular region.

4. A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid Rs.27 for a book kept for seven days, while Susy paid Rs.21 for the book she kept for five days. Find the fixed charge and the charge for each extra day.

5. A train travels a distance of 480 km at a uniform speed. If the speed had been 8 km/h less, then it would have taken 3 hours more to cover the

same distance. Then find speed of a train.

6. The altitude of a right triangle is 7 cm less than its base. If the hypotenuse is 13 cm, find the other two sides.
7. Find the sum of first 15 multiples of 8.
8. A spiral is made up of successive semicircles, with center's alternately at A and B, starting with Centre at A of radii 0.5, 1.0 cm, 1.5 cm, 2.0 cm, as shown in figure. What is the total length of such a spiral made up of thirteen consecutive



semicircles? (Tak

9. Prove that "If a line is drawn parallel to one side of a triangle and intersects the other two sides in distinct points, then other two sides are divided in the same ratio".

10. If $\tan (A + B) = \sqrt{3}$ and $\tan (A - B) = \frac{1}{\sqrt{3}}$; $0^\circ < A + B \leq 90^\circ$; $A > B$, find A and B.

11. If $\sin (A - B) = \frac{1}{2}$, $\cos (A + B) = \frac{1}{2}$; $0^\circ < A + B \leq 90^\circ$; $A > B$, find A and B.

12. $(\sin A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 = 7 + \tan^2 A + \cot^2 A$.

13. $\frac{\sin \theta - 2 \sin^3 \theta}{2 \cos^3 \theta - \cos \theta} = \tan \theta$

14. A 1.2 m tall girl spots a balloon moving with the wind in a horizontal line at a height of 88.2 m from the ground. The angle of elevation of the balloon from the eyes of the girl at any instant is 60° . After some time, the angle of elevation reduces to 30° (see Fig. 9.13). Find the distance travelled by the balloon during the time

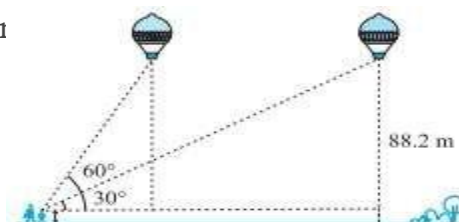


Fig. 9.13

15. A straight highway leads to the foot of a tower. A man standing at the top of the tower observes a car at an angle of depression of 30° , which is approaching the foot of the tower with a uniform speed. Six seconds later, the angle of depression of the car is found to be 60° . Find the time taken by the car to reach the foot of the tower from this point.

16. From the top of a 7 m high building, the angle of elevation of the top of a cable tower is 60° and the angle of depression of its foot is 45° . Determine the height of the tower.

17. The tangent at any point of a circle is perpendicular to the radius through the point of contact.

18. Prove that the length of the tangents drawn from an external point to a circle are equal.

19. The taxi charges in a city consist of a fixed charge together with the charge for the distance covered. For a distance of 10 km, the charge paid is ₹ 105 and for a journey of 15 km, the charge paid is ₹ 155/-. What are the fixed charges and the charge per km? How much does a person have to pay for travelling a distance of 25 km?

20. If A and B are $(-2, -2)$ and $(2, -4)$, respectively, find the coordinates of P such that $AP = \frac{3}{7} AB$ and P lies on the line and segment AB.

ARTIFICIAL INTELLIGENCE

1. Explain few qualities of self-motivated people.

2. Differentiate between precision and recall in the context of evaluating classification model.

In which type of applications is recall more important than precision? Give one

real-world example to justify your explanation.

3. What is train-test split? Explain its importance in evaluating an AI model

4. Rakshita wants to improve her fitness. She sets goal: "I will exercise everyday"

Using the **SMART framework** ,Identify what is missing in Riya's goal and suggest how she can make it more effective

5.Recently the country was shaken up by a series of earthquakes which has done a huge damage to the people as well as infrastructure .To address this issue ,an AI model has created which can predict if there is a chance of earthquake or not .The values of confusion matrix for the same is :

TP=50,FP=05,FN=25,TN=20

a) How many total cases are True Negative in the above scenario?

b)Calculate precision ,recall and F1 score

CLASS IX

ENGLISH

1.Descriptive paragraph

You are Akshay of class 9 recently visited the crafts Mela at Surajkund, Faridabad. It was min India assembled at one place. Write a paragraph of what you saw and experienced there in about 100-120 words.

2.Speech

Imagine that you are santosh yadav. You have been invited to speak at all india girl's athletic meet, as chief guest. Prepare a short speech to motivate the girls to think and dream big and make and effort to fulfil their dreams.

3.Story writing

Answer the following question in 100-120 words.

Complete the story.

A good boy--disobeys his parents--gets into bad company--father gives him some good apples--tells him to lay them aside for a few days--places a rotten apple among them--the rotten apple spoils the good ones--the boy learns the lesson--shuns the bad company.

4.Article writing

"New technology is common, New thinking is rare".Write an argumentative article giving logical and relevant reasons along with your points of view.

5.Diary entry

You are Abhinav. You recently participated in the All India CBSE National Quiz Competition and reached the finals. The final round was telecast over the national channel where you and your team won the quiz. Describe your feelings through a diary entry.

HINDI

1. निम्नलिखित प्रस्थान बिंदुओं के आधार पर 100 शब्दों में शीर्षक सहित एक लघु कथा लिखिए।

एक बूढ़ा था उसके चारों व पुत्र आपस में झगड़ा करते थे किसान बहुत दुखी था उसने एक दिन अपने चारों पुत्रों को बुलाया दुखी मन से कहा आपस में झगड़ा नहीं करना चाहिए और तुम लोगों को मिलजुल कर रहना चाहिए पिताजी की बातें सुनकर चारों पुत्र वहां से चले गए पर लड़ाई झगड़ा का सिलसिला जारी रहा फिर एक दिन उसे घड़े किस में एक उपाय सोचा -----

2. निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

1. परीक्षा से पहले मेरी मनोदशा
2. समय का सदुपयोग
3. शिक्षा में खेलों का महत्व

3. गीता पुस्तक पढ़ती है इस वाक्य को अर्थ के आधार पर वाक्य के हाथों वेदों में रूपांतरित कीजिए

4. अर्थ के आधार पर वाक्य के सभी बीडीओ को सोदाहरण स्पष्ट कीजिए।

5. समास की परिभाषा लिखकर सभी वेदों को सोदाहरण स्पष्ट कीजिए।

6. आवधिक परीक्षा दो के प्रश्न पत्र को हल करें।

SANSKRIT

1. यथानिर्दिष्ट वर्णानां उच्चारणस्थानानि लिखत (केवलं प्रश्नचतुष्टयम्)

1. 'उ' वर्णस्य उच्चारणस्थानं _____ अस्ति ।

ii. 'अ, इ, ऋ, ए, ओ' इत्यादिषु वर्णेषु मूर्धन्यः वर्णः _____ भवति ।

iii. 'स्वदेशः इत्यस्मिन् पदे दन्तोष्ठ्यः वर्णः_____ अस्ति ।

iv. 'च-वर्गस्य' उच्चारणस्थानं_____ भवति ।

v. 'त, क्थ, द, स्' इत्यादिषु वर्णेषु_____ वर्णः दन्तव्य-वर्णः नास्ति ।

2. अधोलिखितवाक्येषु रेखांकितपदानां सन्धिं/विच्छेदं वा कुरुत (केवलं प्रश्नचतुष्टयम्)

1. ब्राह्मणोऽपि

ii. काष्ठात् + अग्निः

iii. गुरुम् + प्रति

iv. एकैकम्

v. सङ्कट + आपत्रे

3. अधोलिखितवाक्येषु उचितं उपपद-विभक्तिं चित्वा रिक्तस्थानानि पूरयत । (केवलं प्रश्नचतुष्टयम्)

1. अष्टावक्रः प्रत्यवदत् "जननि! अलम्_____ । (चिन्ता)

(क) चिन्ताम् (ख) चिन्तया (ग) चिन्तायाः (घ) चिन्तायै

ii तस्मै वदान्यगुरवे_____ नमः अस्तु । (तरु)

(क) तरवे (ख) तरुणा (ग) तरुवाय (घ) तरुषु

iii. अष्टावक्रः_____ सह कीडित्वा गृहं प्रत्यावृतः । (मित्र)

(क) मित्रेभ्यः (ख) मित्राणि (ग) मित्राणाम् (घ) मित्रैः

iv. भामशाहः धनराशिम् आदाय_____ ददाति । (प्रताप)

(क) प्रतापात् (ख) प्रतापाय (ग) प्रतास्य (घ) प्रतापः

4. रेखाङ्कितपदानां प्रकृति-प्रत्ययौ संयोज्य विभज्य वा उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत-

i. विप्रः तदा कृत्वा गतः ।

ii. स्वदेशमेव त्यज् + तुमुन् तत्परोऽहम् ।

iii सा विहस्य अभाषत "मुनेश्च अहं बलाकेति" ।

iv. गच्छन् पिपीलको याति योजनानां शतान्यपि ।

5. प्रदत्तवाक्यानां रिक्तस्थानानि मञ्जूषाप्रदत्तैः उचितैः अव्ययपदैः पूरयत । (केवलं प्रश्नचतुष्टयम्)

मञ्जूषा : तत्र, अपि, कथम्, पुरा, च

i महातपा _____ नाम वनवासी आसीत् ।

ii. देवा _____ भवान् वदति एवम्?

iii. सततम् एथतां विद्यासु कलासु _____ भवदनुरागः ।

iv. अगच्छन् वैनतेयः _____ पदमेकं न गच्छति ।

v. _____ तव उपहासोऽपि सम्भाव्यते ।

6. वाक्येषु प्रदत्तानां संख्यानाम् उचित संस्कृतपदं लिखत

i. पृथिव्याम् _____ (3) रत्नानि सन्ति ।

ii. वरम् _____ (1) गुणी पुत्रः न च मूर्खशतान्यपि ।

iii. श्वेतकेतुः आचार्यम् उपेत्य _____ (24) वर्षीयः अभवत् ।

iv. क्रीडाक्षेत्रे _____ (84) क्रीडाकाराः क्रीडन्ति

v. कृपया _____ (44) रुप्यकाणि यच्छतु ।

7. पाठ्यक्रमे वर्णितं शब्दरूप-धतुरूप- स्मरणं करोतु

8. किमपि चित्रद्वयं स्वीकृत्य पञ्च वाक्यानि लिखत

SCIENCE

1. Practice and solve PT-2 paper in your homework notebook.
2. Make a project on topic natural resources.
3. Write intext questions of chapter Gravitation.

SOCIAL SCIENCE

(Forest society and colonialism)

1. What is shifting cultivation ? why did the Europeans decide to ban it ?
(Electoral politics)

2. What are the merits and demerits of an electoral competition ?

3. What are the challenges to free and fair elections in India ?

(Natural vegetation and wildlife)

4. Distinguish between moist deciduous and dry deciduous forests ?

MATHEMATICS

1. Find five rational numbers between $\frac{3}{5}$ and $\frac{4}{5}$.
2. Show how $\sqrt{5}$ can be represented on the number line.
3. Express the following in the form $\frac{p}{q}$ where p and q are integers and q not equal to 0.

(1) 0. 66666.....

(ii) 0.477777.....

(iii) 0. 001.....

line.

4. Rationalise the denominators of the following:

(i) $\frac{1}{\sqrt{7}}$

(ii) $\frac{1}{[\sqrt{7} - \sqrt{6}]}$

(iii) $\frac{1}{(\sqrt{5} + \sqrt{2})}$

(iv) $\frac{1}{(\sqrt{7} - 2)}$

5. Factorise:

(1) $12x^2 - 7x + 1$

(ii) $2x^2 + 7x + 3$

(iii) $6x^2 + 5x - 6$

6. Expand each of the following, using suitable identities:

(i) $(x+2y+4z)^2$

(ii) $(2x-y+z)^2$

7. Verify that $x + y + z^3 - 3xyz = (x+y+z) [(x-y)^2 + (y-z)^2 + (z-x)^2] / 2$

8. $x + y + z = 0$ show that $x^3 + y^3 + z^3 = 3xyz$.

9. Write four solutions for each of the following equations:

(1) $2x + y = 7$

(ii) $px + y = \dots$

ARTIFICIAL INTELLIGENCE

1. Explain the key difference between data privacy and data security. Give example of Data privacy.

2. Define Statistics. Write any two applications of statistics.

3. A data scientist is building a model to predict a student's final exam score. The model uses the number of hours they studied, their attendance rate, and their previous test scores as inputs. In this scenario, identify the dependent and independent features and explain why they are classified that way.

4. **"AI Uses Math for Exploring data, for training and improving AI models, to find out unknown values and also to predict different outcomes"**

What are the different branches of mathematics and how each one is used by AI for the above mentioned tasks?

5. Briefly explain the following terms

a. Graphical data interpretation

b. Probability

- c. Data processing
- d. data Analysis

CLASS VIII

ENGLISH

1. Subject verb argument

Fill in blanks with the appropriate verbs in agreement with its subject

- (a) A dog_____a faithful animal.
- (b) Neither my parents nor relatives _____present yesterday at the party.
- (c) Each of the boys _____honest.
- (d) The entire class as well as the principal_____agreed to the proposal.
- (e) Neither Rasika nor Reeta _____present.

2. Descriptive paragraph

You love dancing very much. It is your dream to be a good dancer. Describe your favourite dancer in your own words.

3. Story writing

Two friends were passing through a dense forest. Suddenly they heard some animal screaming... Complete the story in your own words.

4. Diary entry

You won the Best Student Award this year. Make a diary entry expressing your feelings. You can take help from the given hints. Sign yourself as Ravi.

5. Letter writing

You ordered a mobile phone online, which was delayed by two weeks, and some accessories, such as the charging adapter and earphones, were missing. Write a letter to customer service inquiring about the complaint and requesting a prompt resolution.

HINDI

1. निम्नलिखित विषय पर दिए गए बिंदुओं के आधार पर 80-100 शब्दों में अनुच्छेद

लिखिए। अनुशासन का महत्वसंकेत बिंदु अनुशासन का अर्थ , जीवन में अनुशासन का महत्व,
विद्यार्थी जीवन में अनुशासन, राष्ट्रीय उन्नति का आधार

2. आप अपने विद्यालय में आठवीं कक्षा के छात्र प्रदीप हैं। आप अपनी बहन की शादी में दिल्ली जाना चाहते हैं। अतः पाँच दिनों के अवकाश हेतु प्रधानाचार्य को प्रार्थना-पत्र लिखिए।
3. पिताजी को देखकर दो गौरैया ने क्या बातचीत की होगी उसे संवाद के रूप में लगभग 80 शब्दों में लिखिए।
4. 'जल ही जीवन है' इस विषय पर विज्ञापन तैयार कीजिए।
5. निम्नलिखित पर्यायवाची शब्दों के तीन-तीन उदाहरण लिखिए। अमृत , अश्व , आकाश , पुष्प , बेटा , मित्र , संसार , सूरज , हाथ , सोना
6. 'आओ बच्चों तुम्हें दिखाएँ झाँकी हिन्दुस्तान की' कविता याद करना व लिखना।
7. 5 पेज सुलेख लिखिए।

SANSKRIT

1. संस्कृत-पाठ्यपुस्तकात् तृतीयस्य अध्यायस्य श्लोकान् लिखत स्मरत च।
2. संस्कृत,-छात्र-प्रतिज्ञां संस्कृत-प्रार्थनां च लिखत स्मरत च।
3. शब्दरूपाणि - कवि, नदी, साधु, राजन्, अस्मद्, युष्मद्।
4. धातुरूपाणि - कृ, भू, अस्, वस्, पच्, लिख् । (पञ्चसु लकारेषु)
5. 1 से 100 तक संस्कृत में गिनती लिखकर याद करो।
6. 'विजयादशमी' इति उत्सवस्य विषये संस्कृते १५ वाक्यानि लिखत।

SCIENCE

1. Devise an experiment to test that microorganisms need optimal temperature, air, and moisture for their growth.
2. Aanandi took two test tubes and marked them A and B. She put two spoonfuls of sugar solution in each of the test tubes. In test tube B, she added a spoonful of yeast. Then she attached two incompletely inflated balloons to the mouth of each test tube. She kept the setup in a warm place,

away from sunlight.

3. Discuss the differences between communicable and non-communicable diseases, providing examples
4. We rarely see cases of smallpox or polio these days, but diseases like diabetes and heart problems are more common. Why?
5. Your uncle has started smoking just to fit in with his friends, even though it is well known that smoking can seriously harm health and even cause death.
 1. What would you say to him to make him stop, without being rude?
 2. What would you do if your friend offered you a cigarette at a party?
 3. How can schools help prevent students from indulging in such harmful habits?

SOCIAL SCIENCE

(factors of production)

1. How are the factors of production different from each other ? what are the difficulties you faced in classifying the factors of production in the exercise given in – text ?
2. How does human capital differ from physical capital ?
3. How do you think technology is changing how people develop their skills and knowledge ?
4. Do you think entrepreneurship is the driving force of production? Why or why not ?

MATHEMATICS

- 1 write square of numbers 1 to 30
- 2 write cubes of numbers 1 to 20
- 3 write the multiplication tables 2 to 20
- 4 find square root of a)10648 b)9261 c)4096 b)15625
- 5 find cube root of a)1323 b)3125 c)32768
- 6 write the following in the standard form. a)32.436 b)27.401 c)463.23
- 7 write a short note on (one page): a) Ramanujan b)Aryabhatta c)Bhaskara

ARTIFICIAL INTELLIGENCE

1. Write down the main steps of AI Project cycle?

2. Explain Problem Scoping in terms of AI?
3. How is Data Acquisition is different from Data Exploration ? Explain.
4. Explain the need of AI ethics in detail
5. What are Primary and Secondary Data sources ?Prepare a table for primary and secondary data sources example?
6. Explain 4Ws canvas for problem scoping stage?

CLASS VII

ENGLISH

1. Write a notice to school notice board that you have found a school dairy and one Oxford dictionary in the play ground .
2. Write a letter to Times Of India news paper to post one advertisement about your business in Monday's edition.
3. Write a notice about your lost wrist watch in the school
4. Write about tenses with examples

HINDI

प्रश्न.1 प्रधानाचार्य को आर्थिक सहायता हेतु पत्र लिखिए ?

अथवा

विदेश रहने वाले मित्र को पत्र द्वारा भारत भ्रमण हेतु आमंत्रित कीजिए।

प्रश्न. 2 निम्न में से किसी एक विषय पर अनुच्छेद लिखिए ?

· इंटरनेट का महत्व

· स्वच्छता - जीवन का आधार

· सर्व शिक्षा अभियान

प्रश्न.3 अपनी पाठ्यपुस्तक मल्हार में से माँ कह एक कहानी कविता को याद करो, और लिखिए ?

प्रश्न.4 अपने किसी मित्र के साथ एक विषय पर संवाद लेखन कीजिए ?

(i)विज्ञापन(ii) महात्मा गाँधी की जन्म पर(iii) स्वतंत्रता दिवस पर

प्रश्न.5 निम्न में से दस मुहावरों का अर्थ लिखिए ?

अपना उल्लू सीधा करना (ii) ईद का चाँद होना (iii) घाव पर नमक छिड़कना (iv) गिरगिट की तरह रंग बदलना, (v) आँखों पर परदा पड़ना (vi) एडी चोटी का जोर लगाना (vii) ओखली में सिर देना (viii) एक और एक ग्यारह होना (ix) किताबी कीड़ा होना (x) कान में तेल डाल कर बैठना

प्रश्न.6 काल किसे कहते हैं? इसके कितने भेद हैं? उदाहरण सहित लिखिए।

SANSKRIT

1. अस्मद्-युष्मद् इति शब्दद्वयस्य रूपाणि लिखत स्मरत च।
2. हस्, गम् इति धातुद्वयस्य रूपाणि पञ्चसु लकारेषु लिखत।
3. 'विजयादशमी' इति उत्सवस्य विषये संस्कृते १० वाक्यानि लिखत।
4. ५० तः १०० पर्यन्तं सङ्ख्याः लिखत ।
5. षष्ठोऽस्य अध्यायस्य संस्कृतस्य श्लोकान् एवं संस्कृतछात्रप्रतिज्ञां च लिखित स्मरत च ।

SCIENCE

1. What are acids?
2. Name two substances that are acidic in nature.
3. Which indicators change colour with different substances?
4. What is the effect of acid and base on litmus?
5. Why does a turmeric stain turn red on a white shirt when it is washed with soap?
6. Dip some crushed red rose petals in warm water to make the extract. Add a few drops of an acid and a base separately in two different containers. Write the effect of it on acid and base.
7. What do you mean by an electric circuit?
8. Name some components of an electric circuit.
9. In which position is the key placed in a circuit?
10. What do you mean by an open circuit and What do you mean by a closed circuit?

SOCIAL SCIENCE

- 1.How can understanding the climate help us to prepare for natural disasters?
- 2.What is the role of markets in people's lives?
- 3.What is a Constitution and do we need one?
4. What are the different types of government ?
- 5.What were the values or principles that guided emperors of that period?

MATHEMATICS

- 1.How many zeros does a hundred lakh have?
- 2.Number of hundreds needed to make one lakh is_____.
- 3.The smallest 7- digit number in the Indian system is _____.
- 4.How many zeros in one crore?
- 5.One million =____ lakh in Indian system.
- 6.Find: $500-(250-100)=?$
- 7.Find the value of:
 - (a) $47-2\times 5+11$
 - (b) $72-18\div 3+6\times 4$
 - (c) $39-2\times 6+11$
 - (d) $48-10\times 2+16\div 2$
- 8.Using quick way find the product of:
 - (a) 824×25
 - (b) $2\times 1768\times 25$.
- 9.How many kilograms is:
 - (a) 25g
 - (b) 5g
- 10.Find the values:
 - (a) $16+6.8$
 - (b) $18+8.8$

(c) 10.44-4.3

(d) 15.62-7.3

ARTIFICIAL INTELLIGENCE

1. AI in Daily Life

Write about 5 ways Artificial Intelligence is used around us (e.g., voice assistants, online shopping, gaming).

2. AI & Other Technologies

Create a chart showing how AI works with other technologies like Robotics, Internet, and Smartphones.

3. Natural Language Processing (NLP)

Collect examples of where computers understand human language (e.g., Google Translate, ChatGPT, Siri).

4. Applications of AI

Prepare a small project or poster on applications of AI in education, healthcare, and entertainment.

5. Future of AI

Write an essay about how AI might change schools, jobs, or daily life in the next 20 years.

CLASS VI

ENGLISH

1. Write a letter to municipal commissioner that you are facing problem of bad roads in your area.
2. Write a paragraph on " how to be well disciplined in the class room"
3. Write a message to your friend that you are not attending the Annual day function dance program in school and inform this to your dance teacher.
4. Write about parts of speech with examples

HINDI

प्रश्न .1 निम्न में से किसी एक विषय पर अनुच्छेद लिखिए ?

अथवा

अपने मित्र को पत्र लिखकर अपनी ऐतिहासिक यात्रा का वर्णन कीजिए ?

प्रश्न.3 निम्न में से 10 शब्दों के चार - चार पर्यायवाची शब्द लिखिए ?

आकाश, कमल, उद्यान, कपडा, पुत्री, पुत्र, माता, मेघ, तालाब, चन्द्रमा, ग्रह, रात, राजा, पर्वत, पुष्प, नदी आदि।

प्रश्न .4 निम्न में से पांच मुहावरों का अर्थ लिखिए ?

आँखें बिछाना , आग लगने पर कुआ खोदना, आग में घी डालना,

अपने मुँह मियाँ मिट् ठू बनना,

प्रश्न.5 अपनी पाठ्यपुस्तक से मातृभूमि कविता को याद करो, और लिखिए ?

अथवा

अपनी पाठ्यपुस्तक से पहली बूँद कविता को याद करो, और लिखिए ?

SANSKRIT

1. बालक, बालिका और पुष्प शब्द के रूप लिखकर याद कीजिए।

2. पठ्, लिख्, गम्, चल्, हस् धातुओं के लटलकार के रूप लिखकर याद कीजिए।

3. दशपुष्पफलशाकानां चित्राणि संगृह्य तेषां संस्कृतनामानि लिखित्वा।

(दस-दस फूलों फलों एवं सब्जियों के चित्र एकत्रित कर उनके संस्कृत नाम लिखिए।)

4. १ से ५० तक संस्कृत भाषा में सङ्ख्याओं को लिखिए।

5. संस्कृत प्रार्थना एवं संस्कृत छात्र प्रतिज्ञा लिखकर याद कीजिए।

SCIENCE

1. Gather information on different materials which can be recycled. You can take help from various sources such as newspapers, magazines, talking to elders in your community..

2. (i) Who am I? Identify me on the basis of the given properties.

(METAL OR NON METAL)

- a) I have lustre _____.
- b) I can be easily compressed _____.
- (c) I am hard and soluble in water _____.
- (d) You cannot see clearly through me _____.
- (e) I have mass and volume but you cannot see me _____.

(ii) Make your own 'Who am I?'

3. The containers which are used to store materials in shops and at home are usually transparent. Give your reasons for this.

4. Draw the scale of a thermometer in which the smallest division reads 0.5°C .
You may draw only the portion between 10°C and 20°C .

5. Find out which places in India are usually regarded to be the coldest and hottest. Also, find out the minimum and the maximum temperatures recorded for these places.

6. Reflect on the statement "Water is our responsibility before it is our right."
Share your thoughts.

7. Observe the activities in your house for a day. Identify the activities that involve evaporation. How does understanding the process of evaporation help us in our daily activities?

8. KEY WORD MEANINGS - CHAPTER NO.6

SOCIAL SCIENCE

1. What are the major types of landforms and their significance to life and culture?

2. What was the earliest civilization of the Indian Subcontinent?

3. Collect a few Folk tales from your region and discuss their message?
4. Why are they important in governance and democracy?
5. How are economic activities Classified?

MATHEMATICS

1. The number sequence of counting numbers is ____.
2. Complete the following pattern:
12, 14, 16, __, 20, 22, __, 26.
3. The sum of the first 10 odd numbers is ____.
4. Write the name of the number sequence in the following pattern
1, 2, 3, 5, 8, 13, 21, - - - - -
5. How many lines that pass through one point? ____
6. The angle measure of straight angle is ____.
7. The branch of mathematics that studies patterns in shapes is called ____.
8. Write all the prime numbers from 1 to 100.
9. Write all 3-digit palindromes using 1, 2, 3.
10. The angles that are less than 90° are called ____ angles.
11. ____ tool is used to measure the angles.
12. What will be the angle at 12'o clock in the clock.
13. Find the common factors of 8, 16 and 20.
14. write multiplication tables from 2 to 15 one time.

ARTIFICIAL INTELLIGENCE

1. What is Artificial Intelligence (AI)?

Write a short note (in your own words) explaining what AI means, with 2–3 real-life examples (like Alexa, Google Maps).

2. How Does AI Work?

Draw a simple flow chart or diagram showing how AI takes input → processes it → gives output.

3. AI vs Automation

Make a comparison chart with 3 differences between Artificial Intelligence and simple machines/automation (example: washing machine vs. voice assistant).

4. Applications of AI in Daily Life

Collect and paste pictures from newspapers, magazines, or the internet showing how AI is used (education, games, healthcare, mobile apps, etc.).

5. Future of AI

Write a small paragraph about how you imagine AI will help people in the future (like robots in schools, AI doctors, smart cars).

**HAPPY AUTUMN BREAK
HOLIDAYS!**