English

INSTRUCTIONS:

1. Read the chapters from the Supplementary Reader- Moments thoroughly, mark the vocabulary and answer the following questions.
2. Attempt all the question and answer in regular class register under proper heading.
3. Handwriting should be neat and clean.

ISHWARAN THE STORY TELLER

➢ **Answer the following question in 20 to 30 words:**

1. What happened when the white elephant entered the school playground?

2. How did Iswaran control the wild elephant?

3. How did Mahendra see the female ghost?

4. Mahendra resigned from his post and left the place. What do you think, could be the reason?

➢ **Answer the following questions in 120-150 words:**

1. Give a brief character sketch of Iswaran the story teller. Do you think he is superstitious?

2. 'Ghosts are a figment of our imagination.' Discuss.

Vocabulary:

- **Give the meanings of following words:**
  Anecdotes, Deserted, Inimitable, auspicious, Reverse

- **Give the opposites of the following words:**
  Enormous, Stretch, Credible, Recovered, Resisted

THE HAPPY PRINCE

➢ **Answer the following question in 20 to 30 words:**

1. Why did the Happy Prince ask the swallow to stay"

2. Where was the swallow going? Why did it stop near the statue?

3. How did the Happy Prince help the seamstress?

4. Why did the workmen at the foundry through the leaden heart?

5. How did God reward the foundry throw the leaden heart?

6. How did the Happy Prince and the little swallow help the playwright?

➢ **Answer the following questions in 120-150 words:**

1. How did the Happy Prince help the poor and the starving children? What lesson you learn from the story?

Vocabulary:

- **Give the meanings of following words:**
  Gilded, Hilt, Drenched, Pedestal, Pricked

- **Give the opposites of the following words:**
  Pity, Sorrow, Coarse, Bare, Shabby

In the kingdom of fools

1. What are the two strange things the guru and his disciple find in the kingdom of fools?

2. How does the guru manage to save the disciple's life?

3. What are the Guru's words of wisdom? When does the disciple remember them?

4. Why did the disciple become fat?

5. How did the thief die?

5. Why did the merchant want to punish the merchant? How did he defend himself?

6. What was the dancing girl blamed for? How did she defend herself?

➢ **Answer the following questions in 120-150 words:**

1. In the story, how did the Guru manage to rescue the kingdom?

2. The disciple was in trouble because he was greedy. The king and his minister also met their end because of greed. Elaborate.

Vocabulary:

- **Give the meanings of following words:**
  Collapsed, Pursuing, Compensate, Summoned, Execution, Scoundrel

- **Give the opposites of the following words:**
  Delighted, Ancient, Distracted, Immediately, Confusion

Weathering the Storm in Ersama

➢ **Answer the following question in 20 to 30 words:**

1. Where had Prashant gone on 27th October, 1999? Why?

2. Why was falling of two coconut trees on the roof of Prashant's friend's house a blessing in disguise?

3. What was the effect of cyclone on Prashant's village?

4. What did Prashant do for the orphans?

5. What did Prashant do to divert the attention of the women?

6. Narrate the storm in Ersama in your own words.

➢ **Answer the following questions in 120-150 words:**
1. The true traits of an individual com to the fore in times of emergency. What traits come to one's notice in Prashant, during the calamity that struck Ersama in coastal Orissa?
2. In adversity, people like Prashant get extraordinary determination and power to fight. Do you agree that adversity or crisis brings people closer?

Vocabulary:

- **Give the synonyms of following words:**
  Witnessed, Incessant, bloated, bereaved, incessant

- **Give the antonyms of the following words:**
  Swiftly, fallen, froze, dangerous, desperate

Maths

NOTE:- Below mentioned questions to be done in their respective subject notebooks (registers)

POLYNOMIALS:

1. State Remainder Theorem and Factor Theorem.
2. Find the zeroes of the polynomial
   a) $x^2 - 2x$ b) $(x - 2)^2 - (x + 2)^2$
3. Evaluate: $x^4 - x^3 + x^2 - x + 1$ for x = 2
4. Check whether x = -3 is a zero of the polynomial $x^3 - x^2 + 11x + 69$
5. If $p(x) = x^2 - 4x + 3$, find the value of: $p(2) - p(-1) + p\left(\frac{1}{2}\right)$
6. Check whether x = 1 is a zero of the polynomial $4x^4 - 3x^3 + 2x^2 - 5x + 1$.
7. Find the remainder when $4x^3 - 3x^2 + 2x - 4$ is divided by:
   a) x – 1   b) x + 2   c) x $+\frac{1}{2}$
8. Find the remainder when $x^{59} - 51$ is divided by x + 1.
9. Find the remainder when $2x^3 - 5x^2 + 9x - 8$ is divided by x−3 using long division and verify your answer using Remainder Theorem.
10. Find the quotient and remainder when p(x) is divided by g(x). Use Remainder Theorem to check your remainder.
    a) $p(x) = x^3 - 2x^2 - 4x - 1; g(x) = x + 1$
    b) $p(x) = x^3 - 3x^2 + 4x + 50; g(x) = x - 3$
    c) $p(x) = 4x^3 - 12x^2 + 14x - 3; g(x) = 2x - 1$
11. Show that (x−1), (x−2) and (x−3) are the factors of $x^3 - 6x^2 + 11x - 6$.
12. For what value of k is the polynomial $2y^3 + 9y^2 + y + k$ is completely divisible by x−1?
13. Factorize: $25x^2 + 4y^2 + 9z^2 + 20xy - 12yz - 30xz$
14. Factorize: $(a - 3b)^3 + (3b - c)^3 + (c - a)^3$
15. If x=0 and x=−1 are the roots of the polynomial $f(x) = 2x^3 - 3x^2 + ax + b$, find   the value of a and b.
16. If $(x^3 + ax^2 + bx + 6)$ has $(x - 2)$ as a factor and leaves a remainder 3 when divided by $(x - 3)$, find the values of a and b.
17. Without actual division show that f(x) = $x^3 - 3x^2 - 13x + 15$ is exactly   divisible by g(x) = $(x^2 + 2x - 3)$.
18. Find the values of a and b so that the polynomial $x^3 - 10x^2 + ax + b$ is exactly   divisible by $(x - 1)$ and $(x - 2)$.
19. Factorize: $x^3 + 13x^2 + 32x + 20$
20. Use a suitable identity and evaluate:
21. a) (x + 8) (x − 2)   b) 103 × 96   c) 102^3 d) 99^2
22. Factorize:
    a) $25x^2 - 10x + 1$
    b) $6\sqrt{3}\, x^2 - 47x + 5\sqrt{3}$
    c) $p^4 - 81q^4$
    d) $x^2 + \frac{x}{4} - \frac{1}{8}$
    e) $125a^3 + \frac{b^3}{27}$
    f) $(5x - \frac{1}{x})^2 + 4\left(5x - \frac{1}{x}\right) + 4$
    g) $x^6 - y^6$
    h) $x^4 + x^2 + 1$
    i) $xy^3 - 729x^4$
    j) $8x^3 + 125y^3 + 60x^2y + 150xy^2$
    k) $(x + y)^3 - (x - y)^3$

l) $8x^3 + 125y^3 + 60x^2y + 150xy^2$

m) $1 - 2ab - (a^2 + b^2)$

n) $25x^2 + 16y^2 + 4z^2 - 40xy + 16yz - 20xz$

o) $x^6 - 64$

p) $x^2 + 3\sqrt{3}x - 30$

23. Factorize $x^3 + 13x^2 + 31x - 45$, given that $(x + 9)$ is a factor.

24. Give possible expressions for the length and breadth of the rectangle whose area is $35x^2 + 13x - 12$.

25. If $3x + 2y = 20$ and $xy = $, find the value of $27x^3 + 8y^3$

26. Without actually calculating the cubes, find the value of $1.5^3 - 0.9^3 - 0.6^3$ using a suitable identity.

27. If $x + \frac{1}{x} = \sqrt{3}$ then find the value of $x^3 + \frac{1}{x^3}$

28. If $x^2 + \frac{1}{x^2} = 14$, find the value of $x^3 + \frac{1}{x^3}$

29. If $a^3 + b^3 + c^3 = 3abc$ and $a + b + c = 0$, show that:
$$\frac{(b + c)^2}{3bc} + \frac{(c + a)^2}{3ac} + \frac{(a + b)^2}{3ab} = 1$$

30. If $a + b + c = 0, and\ a, b, c$ are all non-zero show that:
$$\frac{a^2}{bc} + \frac{b^2}{ac} + \frac{c^2}{ab} = 3$$

31. If $a + b + c = 9; ab + bc + ca = 26$, find $a^2 + b^2 + c^2$

NUMBER SYSTEM:

Q1 Find the value of a) $5\sqrt{6}+3\sqrt{6}$ b) $\sqrt{12}X\sqrt{18}$

Q2 If $x2 = 18$, then check whether x is rational or irrational.

Q3 Simplify $\frac{\sqrt{162}+\sqrt{108}}{\sqrt{72}+\sqrt{48}}$

Q4 Represent geometrically the following numbers on the number line

a) $\sqrt{5.6}$ b) $\sqrt{8.1}$ c) $\sqrt{9.3}$ d) $\sqrt{3.8}$ e) $\sqrt{2.1}$

Q5. Locate the following number on the number line

a) $\sqrt{5}$ b) $\sqrt{7}$ c) $\sqrt{11}$ d) $\sqrt{17}$ e) $\sqrt{2}$ f) $\sqrt{13}$ g) $\sqrt{37}$ h) $\sqrt{26}$ i) $\sqrt{50}$ j) $\sqrt{3}$

Q6 Express in p/q form, where p and q are integers:

a) 8.325 b)0.159 c)3.8 d) 1.0049 e)0.0323232… f) 6.1977777…

Q7 Rationalise the denominator of:

a) $\frac{4\sqrt{3}+5\sqrt{2}}{\sqrt{18}+\sqrt{48}}$ b) $\frac{5+\sqrt{3}}{7-\sqrt{48}}$

Q8 Insert a rational and irrational numbers between two numbers:

a) 3.143 and 4.314   b)4.13692 and 4.4568   c) $\sqrt{3}$ and $\sqrt{5}$

Q9 Write the decimal expansion of following numbers and write the type of decimal expansion they have:

a)$6\frac{1}{8}$ b)$\frac{11}{15}$ c)$\frac{329}{400}$

Q10 Find the value of a and b in the following

a) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}}$ = a -b$\sqrt{3}$ e) $\frac{\sqrt{7}-1}{\sqrt{7}+1} - \frac{\sqrt{7}+1}{\sqrt{7}-1}$ = a +b$\sqrt{7}$

b)

c) $\frac{\sqrt{2}+\sqrt{3}}{3\sqrt{2}-2\sqrt{3}}$ = a +b$\sqrt{6}$

d) $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a + b\sqrt{3}$

e) $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a + b\sqrt{7}$

Q11 Simplify:

a) $\frac{2+\sqrt{3}}{2-\sqrt{3}} - \frac{2-\sqrt{3}}{2+\sqrt{3}}$

b) $\frac{1}{2-\sqrt{3}} - \frac{1}{\sqrt{3}+\sqrt{2}} + \frac{5}{3-\sqrt{2}}$

c) $\frac{1}{\sqrt{3}+\sqrt{2}-\sqrt{5}}$ d) $\frac{1}{\sqrt{6}+\sqrt{5}-\sqrt{11}}$

e) $\frac{\sqrt{5}-2}{\sqrt{5}+2} - \frac{\sqrt{5}+2}{\sqrt{5}-2}$

f) $\frac{1}{3\sqrt{3}-2\sqrt{2}} + \frac{1}{3\sqrt{3}+2\sqrt{2}}$

g) $\frac{4\sqrt{2}}{\sqrt{15}-3\sqrt{2}} + \frac{3\sqrt{5}}{\sqrt{10}-\sqrt{3}} + \frac{5\sqrt{3}}{\sqrt{6}+\sqrt{5}}$

h) $\frac{1}{\sqrt{2}+1} + \frac{1}{\sqrt{3}+\sqrt{2}} + \frac{1}{\sqrt{4}+\sqrt{3}} + \cdots + \frac{1}{\sqrt{9}+\sqrt{8}}$

Q12 If $a = 8+3\sqrt{7}$ and b=1/a, then what will be the value of $a2 + b2$?

Q13 If $x = \frac{\sqrt{a}+2b-\sqrt{a}-2b}{\sqrt{a}+2b+\sqrt{a}-2b}$, prove that $bx2 - ax + b = 0$

Q14 If $x = (2 + \sqrt{5})1/2 + (2 - \sqrt{5})1/2$ and $y = 2 + \sqrt{5})1/2 - (2 - \sqrt{5})1/2$ then evaluate $x2 + y2$

Q15 If $\sqrt{x}=3-2\sqrt{2}$ find the value of x+1/x

Q16 Simplify: $\frac{5 \times 7}{7 \times 5} \times \frac{5 \times 7}{7 \times 5}$

Q17 If x = 7+ $\sqrt{40}$, find the value of $\sqrt{x}+1/\sqrt{x}$

Q18 Simplify

3$\sqrt{45}$ –$\sqrt{125}$ +$\sqrt{200}$ - $\sqrt{50}$

Q19 Define real numbers.

Q20 Check after how many decimal places $4\frac{1}{8}$ will terminate

Q21 If 42x-1 – 16x-1=384, find the value of x

Q22 If $x = 1 - \sqrt{2}$, find the value of:

a) $\left(x - \frac{1}{x}\right)^3$

b) $x^3 - \frac{1}{x^3}$

c) $\sqrt{x} + \frac{1}{\sqrt{x}}$

Q23 Find the value $\sqrt{12}$X$\sqrt{18}$

PHYSICS
1.Carry out the following conversions:
a) 10m/s to km/h.
b)10km/h to m/s.
c) 10m/s to m/min.

2. A car travels a certain distance with a speed of 50km/h and returns with a speed of 40km/h. Calculate the average speed for the whole journey?

3. Difference between. (Any 2 points)
a) Scalar and Vector quantities.
b) Distance and Displacement.
c) Speed and Velocity.

4. A car is moving at a uniform speed of 108km/h. On applying break it comes to rest covering a distance of 60m. Calculate retardation & time taken by the car to come to rest?

5. Plot an x-t graph for Uniform and Non-uniform motion and also enlist any two points of differences between the same.

6. Derive graphically the third equation of motion.

7. A cyclist goes once around a circular track of diameter 105m in 5 min. Calculate its speed.

CHEMISTRY
1. Why do solids have a regular geometrical shape?
2. Why are gases compressible but not liquids?
3. Which gas is called dry ice? Why?
4. Why do we feel comfortable under a fan when we are perspiring?
5. Why does tree acquire more leaves during summer?
6. Why does the temperature of a substance remain constant during its melting point or boiling point?
7. Why do the doctors advice to put strips of wet cloth on the forehead of a person having high fever?

BIOLOGY

1. State the function of chromosome in a cell.
2. Write two similarities and one dissimilarity between mitochondria and plastid.
3. Name the cell organelle that you would associate with elimination of old and worn out cells.
4. List two types of plastids and state one function of each.
5. Name two cell organelles that contain their own genetic material.
6. Division of labour exists even at intracellular level, justify the statement by giving two examples. 27. Identify and name the following cell structure:
   a) The undefined nuclear region of prokaryotic cell

   b) Site of energy release inside the cell

8. a) List any two structural differences and two similarities between animal cell and plant cell.

   b) What would happen if an animal cell is kept in distilled water for 24 hrs?

9. When a living plant cell loses water through osmosis, there is contraction of the contents of the cell away from the cell wall. What is this phenomenon called?

10. a) Write two points of difference between nuclear region of bacterial cell and animal cell.

   b) Which structure present in the nuclear region of living cell bears genes?

11. List any two single celled organisms.

12. Draw a diagram of plant cell and label it's any two parts.

SOCIAL SCIENCE(WORKSHEET)

NOTE:- Below mentioned questions to be done in their respective subject notebooks (registers)
1. Explain two features each of the three physiographic divisions of India.
2. Write about the main features of the Central Highlands. Any three
3. Give an account of the four divisions of Himalayas from west to east along with Purvachal hills.
4. Name the part of the Northern Plains formed of older alluvium. Mention any two characteristic

5. features of it.
6. ZANU-PF wins the elections every five years in Zimbabwe. Are the leaders of ZANU-PF close to the
7. values of democracy? Explain.
8. Despite holding regular, Mexico cannot be called a democratic country. Why?
9. What is the significance of rule of law and respect for rights in a democratic country?
10. How does democracy improve the quality of decision-making?
11. "The Preamble of Indian Constitution provides a philosophy and value of constitution." Explain any
12. three values that you drive from it.
13. Mention any three changes that were brought about in the Constitution of South Africa after 1994.
14. Give reasons for accepting the constitution which was made by the Constituent Assembly more than 50 years ago.
15. Highlight the basic constraint in raising production from a farm.
16. How does an improved quality of human resource help in establishing a virtuous cycle? Explain with the help of an example.
17. Is it true that food grains output in India has increased significantly because of larger area under cultivation? Explain.
18. Explain any three ways through which a large population considered as liability, can be turned into a productive asset?
19. "Unemployment leads to low income and low savings and hence low demand and low production. This is the identification of a depressed economy. "Support the statement.
20. Describe the employment scenario in three sectors of the Indian economy in recent years.
21. Democracy allows people to correct their mistakes. How is this possible?
22. Democracy is based on both majority rule and Minority rights. Comment.
23. Why did the constitution framers make provisions for amendments in the Indian Constitution?
24. What did Mahatma Gandhi want the constitution to do as expressed in his magazine Young India in 1931?
25. Land being a natural resource, is necessary to be carefully used. Why?
26. Explain the economic condition of the village Palampur.
27. Why will a firm not like to employ a worker with ill-health? How does it affect the working environment?
28. "Women are paid low compared to men. Most women work where job security is not there. "What do you think can be done to regulate wage norms in India?

PROJECT ON DISASTER MANAGEMENT (Mandatory for all student)

India is one of the most disaster-prone countries of the world. Disaster is of two types- Natural and Human induced. To acquire knowledge, prepare a project report on the following topic.
Make a report on any one topic and on the following Guidelines:

Topic:
    1. Flood
    2. Earthquake
    3. Landslide
    4. Cyclone
    5. Drought
    6. Chemical Disaster
    7. Biological Disaster
    8. Nuclear Disaster

B. PREPARATION AND SUBMISSION OF PROJECT REPORT

Following essentials are required to be fulfilled for its preparation and submission-

1. The total length of the project report will not be more than 15 - 20 written pages of foolscap size (A-4size).
2. The project report will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
3. The project report will be presented in a neatly bound simple folder.

The project report will be developed and presented in this order

Cover page - showing project title, student information, school and year

List of contents - with page numbers.

Acknowledgements - (acknowledging the institution, offices and libraries visited and persons who have helped).

Project Overview - Purpose, Aim, Methodology and experiences while doing the project.

Chapters - with relevant headings.

Summary and conclusions - based on findings.

Bibliography - : should have the Title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.

. All the photographs and sketches should be labelled and acknowledged.

Information Technology

Below mentioned questions to be done in your IT register.

1. What is computer network? Explain its types.
2. What is computer processing structure? Explain it with diagram.
3. What is speech synthesis and speech recognition?
4. What is difference between virus and worm?
5. Write short note on Natural Threats and Human Threats.
6. Differentiate between OCR and OMR
7. Write two categories of printers? Which type of printers are more speedy and quieter?
8. Explain different types of computers.
9. What are the functional units of computer?
10. The usefulness of computers has now become a part of humanity. You cannot imagine life without them.
 (i) Do computers have weaknesses also. If yes, then give some examples.
 (ii) Give some use computers in daily life.
11. Explain Bandwidth.
12. Explain different ports attached to CPU.

Project:

➢ Create one power point presentation on topic 'Vision to make '**Progressing India in Digitalization**'' in Microsoft Sway. To create Sway account **Sign in**
  1. Go to sway.com.
  2. Select Sign in on the top menu bar with your Email account for Office 365.

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or

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➢ Create a power point presentation using Sway **on "Contribution of India in Space Technology".** Topics you need to cover in it are:

   1. **MARS Orbiter Mission:**
   2. **Successful launch of GSLV with Indigenous Cryogenic Stage**
   3. **Navigational Satellite System**
   4. **India's first multi-wavelength Observatory in Space**
   5. **Commercial Launch of PSLV**

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Or

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➢ Create a Newsletter in One Note on **"Comparative Studies of 'Cyber Crime' in Different Countries".**

VISUAL ART

1. Make two greeting cards with any painting forms (e.g , Pattachitra, Mughal, Kalamkari, Pahari, Kangra, Phad, Miniature, etc. except Madhubani and Worli painting)
   Size: A4/A3 size paper,
   Paper: Ivory sheet
   Medium: Poster Colour and Black Gel Pen.

2. Make two Posters on
    a) Road safety
    b) Save heritage
    c) Human rights

Size: A3 size paper   Paper: Ivory sheet   Medium: Poster Colour

3) Write two shlokas of vedas in Sanskrit (with calligraphy font) given to you in ivory/cartridges sheet with the help of calligraphy pen & brown ink or poster brown colour with brush or calligraphy pen & ink.

Note: The selected exclusive ones will be on the display during exhibition.

<u>हिन्दी (अभ्यास पत्र)</u> . समस्त कार्य अतिरिक्त उत्तर पुस्तिका में करें।

प्र01. निम्न शब्दों का वर्ण विच्छेद करें।

सेनापति, अंतर्राष्ट्रीय, कृपा, आत्मीय, अनिवार्य, शिक्षा, एवरेस्ट, त्रिभुज, शिक्षाशास्त्री, मार्मिक, अतिथि, स्त्री, मिश्रित, उपर्युक्त, राजनीतिज्ञ, निर्वाह, चन्द्रमा, धर्म, योग्यता, ध्वनि

प्र02. निम्नलिखित वर्णों से शब्द रचना करें।

व्+इ+ष+ण+उ	म्+अ+र+म्+अ	अ+स्+प+अ+त+आ+ल्+अ
र्+अ+ह+अ+स+य्+अ	र्+अ+क्+ष+अ+क्+अ	ज्+ञ+आ+न्+ई
स्+र्+ओ+त+अ	न्+इ+न्+द+आ	प्+ऐ+स+ट्+अ
अ+व्+अ+ध्+इ	स्+थ+आ+न्+अ	स्+प+अ+र+श्+अ

प्र03. उचित स्थान पर अनुस्वार लगाओ।

ठण्ड, सम्बन्ध, चन्दन, अम्बर, सम्भव, अन्तिम, नन्दिनी, चम्पा, सम्पत्ति, सम्भ्रान्त, लम्बा, इन्द्र, सन्धि, अन्त, रूपान्तरित, सङ्घ, पञ्छी

प्र04. उचित स्थान पर अनुनासिक लगाओ।

मुह, धुआ, आख, वस्तुए, कुआ, विहस, चादी, घूट, भाति, नदिया, हाकना, आगन, गाव, चाद, पाच, पाव, टाकना, अधेरा, महिलाए

प्र05. उचित स्थान पर नुक्ता लगाओ।

जोर, रजिया, खाक, फन, राज, खुदा, जमानत, मेज, साफ, जिंदा, अफसोस, मजा, आजादी, नजर, परहेज, शराफत, फिराक, पुरजा, गिरफ़तार

प्र06. निम्नलिखित शब्दों में से उपसर्ग व मूल शब्द अलग करके लिखिए।

प्रगति, कुरूप, सम्मान, निर्धन, निराकार, प्रत्यक्ष, दुर्घटना, उत्थान, परिचालक, सुव्यवस्थित, प्रतिध्वनि, निष्काम

प्र07. निम्नलिखित शब्दों में से प्रत्यय अलग करके लिखिए।

खुदाई, पाठक, व्याकुलता, डरावना, जगमगाहट, मनुष्यत्व, बिकाऊ, रुकावट, अड़ियल, बुढ़ापा, चिकनाहट, ज़हरीला

प्र08. पठित पाठों के शब्दार्थ याद करें तथा शब्दकोश में से प्रतिदिन 3 शब्दों के अर्थ लिखकर याद

करें।

प्र09. पत्र लेखन –

1 प्रातःकालीन सैर के लाभ का वर्णन करते हुए छोटे भाई को पत्र लिखिए।

2 विद्यालय में आयोजित वृक्षारोपण समारोह का वर्णन करते हुए मित्र को पत्र लिखिए।

3 अपने दादा जी को अपने विद्यालय की विशेषताएँ बताते हुए पत्र लिखिए।

प्र010. दिए गए विषयों पर संकेत बिंदुओं के आधार पर 80–100 शब्दों में अनुच्छेद लिखिए।

1 किसी ऐतिहासिक स्थल की यात्रा का वर्णन

(स्थल का नाम, कहाँ पर स्थित, ऐतिहासिक महत्व, यात्रा में क्या–क्या देखा, अनुभव)

2 बुजुर्गों का परिवार में सम्मान

(बुजुर्गों का परिवार में महत्व, बुजुर्गों के दायित्व, बुजुर्गों की वर्तमान भयावह स्थिति, बुजुर्गों के प्रति सोच में बदलाव)

3 नैतिक मूल्यों के उत्थान में शिक्षा की भूमिका

(शिक्षक की भूमिका, शिक्षा का सही उद्देश्य, आंतरिक विकास, नैतिक मूल्यों में गिरावट और सुधार)

FRENCH

Q1) Complétez avec les prepositions ci- dessous: (dans , pour , avec, à, en, par , chez)

1) Je voyage _____ train.
2) Il y a une fête _____ moi.
3) Ma mère achète un cadeau _____moi.
4) Nous sommes _____ la douane.
5) Ils parlent _____ nous.
6) Nous allons au marché _____ vous.
7) Mon ami vient _____ dans une heure.

Q2) Mettez au pluriel:

1) Il lit le journal
2) Il y a un arbre dans le parc.
3) J'aime voyager en bateau.

Q3) Complétez avec les articles contractés:

1) Il vient _____ marché et va _____ piscine.
2) Il a dit la vérité _____ sa mère , pas _____amis.
3) J'ai bu un café _____ restaurant puis j'ai vu un film _____ cinéma.
4) Hier nous sommes allés _____ hôtel. Nous avons commandé _____ garçon des plats frais _____ champignons.

Q5) – Conjugez les verbes pronominaux:

1) Se dépêcher(To hurry up)
2) Se baigner (to bath)
3) Se coucher(to sleep)
4) Se lever(to wake up)
5) Se détendre (to relax)
6) S'amuser(to enjoy oneself)

Q6) Complétez avec les adjectifs possessifs

1) Il a ouvert _____ parapluie. Je n'ai pas ouvert _____.
2) Mon père lit _____ journal. Ma mère lit _____.
3) _____appartement est plus grand que _____.

Q7) Conjugez les verbes:

1) **Nettoyer (to clean)**
2) **Attendre(to wait)**
3) **Se sentir (to feel)**
4) **Attraper(to catch)**
5) **Se reposer (to rest)**
6) **Essuyer(to wipe)**

Les expressions écriture

Q8) décrivez votre camarade (utilisez les points de votre livre)

PROJECT

1) **Create *un* arbre genéalogique (a family tree)**
   Make a family tree and paste their pictures. Describe any 3 family members using the points given in your book.

Activity-specific vocabulary:

- fille/fils unique – only child
- frère/sœur ainé(e) – eldest brother / sister
- frère/sœur cadet(te) – youngest brother / sister
- demi-sœur/demi-frère – half-sister/half-brother
- belle-mère/beau-père – step-mother/step-father or mother-in-law/father-in-law
- le côté germain – mother's side
- le côté paternel – father's side

2) **Share la recette de grand-mère (grandmother's recipe)**

   bring in recipes from their grandmothers or older members of the family that they remember enjoying . Paste the picture.

Activity-specific vocabulary:

- une entrée – appetizer
- un plat principal – main course
- un dessert – dessert
- un gateau – cake
- des biscuits – cookies
- sucré – sweet
- salé – savory

3) **Create fiche identité (id card) of any 5 people.**
   Activity
   - Take a sheet, cut it in a form of a card.
   - Take the details of a person for eg. Nom, prénom ,etc (as given in the book)
4) **Make a model of any one monument of France and write few lines on it.**

Mayur Vihar-1
Summer Holiday Project (2018-19)
Class – IX
Theam-"Vishwa Guru ho punh nirman"

Instructions:

- Section A,D,F & G are supposed to do English and Hindi project work based on theme, "Vishwa Guru….".
- Section B,C and E are suppose to do Mathematics and Science project based on theme, "Vishwa Guru….".
- Student must use eco-friendly material for model presentation. Use of thermocol is strictly prohibited.
- Poster, Brochure, Slogan, Flashcards must be colourful and illustrated on A3 Size sheet.

India- Universal Leader (Vishwa Guru)

ENGLISH

PROJECT

TASK 1. "It's not utopia. It's a reality." (Roll No. 1-5)

We all yearn for the glory of those days when our people reached the pinnacle of thought, achieved great understanding of the divine, and invented excellent ways of living. Now that we are reinventing the past, we must understand that it will be clubbed with our present.

How do you communicate this to the masses?

Design a pamphlet.

Taking cue from the words above, draft a pamphlet on an A-3 sheet, in a creative manner with neat presentation, giving maximum information of the fact the state of perfection, where India stands on the pinnacle, could be achieved, and how.

TASK 2. Pledge (Roll No. 6-10)

Let's promise!

"You must be the change You want to see in the world"- Mahatma Gandhi.

Be you, the be-all and end-all, take inspiration from the National pledge and **write a pledge** on colored cartridge sheet (size of wall chart) stating how would you participate in making India a Universal Leader, as an individual.

TASK 3. Poets' & Writers' Calendar (Roll No. 11-15)

"A pen is mightier than the sword and is easier to find."

Modern History of the world is filled with poets who stood against oppression & used their pen as a mighty weapon. India too has a long history of poets and writers who have revolted against social & political oppression and have brought in change at the grassroot level.

Poets including Kabir, Mirabai, Tukaram and writers like Rabindranath Tagore, Arundhati Roy, Bankim Chandra Chatterjee and various others used their quills and wrote for peace, change, rights and revolution to question the established dogmas.

Indian poets and writers have largely been the agents of social transformation.

Develop a **Table Calendar** and tell the world about it. It must have a spiral, photograph, personal information and famous works of the concerned poet/ writer. A total of 12 famous ones is a pre-requisite.

TASK 4: (Roll No. 16-20) Make brochure, flash cards, popup cards on the following topics. **ALTERNATIVE THERAPY - integrated approach to healing**
CONTRIBUTION OF PROMINENT PRACTITIONERS (VAIDYA) IN THE FIELD OF
- Natural Medicines.
- Aromatherapy Medicine
- Naturopathy Medicine
- Ayurvedic Medicine

TASK 5: (Roll No. 21-25) Model Illustration – Design a 3D model on the given topic by using Eco-friendly material.
Yoga -A Science of Body, Mind, Consciousness and Soul

- static and dynamic asanas,
- a phase of deep relaxation,

TASK 6: (Roll No. 26-30) Illustrate the following sub heading through scrolls and table calendars.
Ayurvedic Therapies   natural healing mechanism
- Panchkarma
- Shirodhara theraphy
- Abhayangam therapy
- Udwarthanam
- Kati basti

TASK 7: (Roll No. 31-35) Below stated topics must be illustrated through colourful and decorative magazine
Meditation- -Divine or spiritual intervention in healing
- Mantra meditation
- " Om" meditation
- Heart Rhythm Meditation (HRM) ..
- Kundalini. ...

TASK 8: (Roll No. 36 onwards) **Transforming India: " Insight towards futuristic vision"**
    Prepare a documentary on the above stated topic.

भारत विश्वगुरू पुनः

हिन्दी–

1. आध्याध्यमिक ज्ञान, शिक्षा, विज्ञान, नक्षत्र विद्या, ज्योतिष विद्या आदि विषयों पर 5 कविताओं का संग्रह कर एक पत्रिका का निर्माण करें और उसके लिए एक उचित शीर्षक दें। (Roll No. 1-8)

2. भारत को विश्वगुरू बनाने में योगदान देने वाले महापुरूषों के चित्रों को एकत्र का 'ए 3 साइज़' शीट पर एक कोलाज बनाएँ। (Roll No. 9-16)

3. महापुरूषों के गुणों की सूची 'ए 3 साइज़' शीट पर तैयार करें। (Roll No. 17-24)

4. 'बुलंद भारत की बुलंद तस्वीर' अथवा ' मेरे सपनों का भारत' विषय से संबंधित चार्ट पेपर पर सचित्र लेख लिखें। (Roll No. 25-32)

5. महाराजा सवाई जयसिंह, सम्राट विक्रमादित्य, महर्षि अगस्त्य, महर्षि चरक, महर्षि सुश्रुत, महर्षि पतंजलि, राजा धनवंतरि, विवेकानंद, महर्षि भारद्वाज, आचार्य चाणक्य, विदुषी गार्गी, महर्षि पाणिनी, आर्यभट्ट आदि पर संक्षिप्त जानकारी एकत्र कर एक हिन्दी कलैण्डर का निर्माण करें। (Roll No. 33 onwards)

SCIENCE

PROJECTS

SCIENCE PROJECTS (HOLIDAY HOMEWORK)

1. The class will be divided according to the roll numbers given below and activities given against them.
2. Use only bio – degradable materials for above activities (use of thermocol, plastic etc. is prohibited)
3. The assignment given below is to be done by all students in a class register.
4. The projects / Model should be innovative and must show practical application.

TOPIC: Artificial Intelligence and Technological Advancement

Suggested Projects: (For Future Aspects in Agriculture / Food Industry and Human Welfare)

Topic 1: Robotic Surgeon (Roll no.1-8)

Robotic surgery is a type of minimally invasive surgery. The surgeon controls these instruments and the camera from a console located in the operating room.

In light of the above given **prepare a 2D static model** showing the surgery taking place in an eye which has to be supported with a hoarding.

Topic 2: Solar Drone (Roll no.9-16)

Solar power is also an option for drone charging. Drones powered with solar power usually comprises of solar cells attached to their wings. They utilize solar power to fly when the sun is up, while simultaneously store power in the battery for the backup purpose.

Prepare a **3D working/non working model** for the same which has to be supported by a scroll chart or 3D pop up cards displaying the working.

Topic 3: Aquaponics (Roll no.17-24)

There are different patterns of Aquaponics systems. The components in the system are a fish tank, a soil free plant bed. It also includes variable filtration components with continuous supply of nutrients and proper aeration so it is known soil free farming method.

Form a working 3D model of Aquaponics or hydroponics.

Topic 4: Magenta Green Houses (Roll no.25-32)

Magenta tinted roof panels on green houses can capture enough solar energy to power the structure in order to allow enough sunlight for better plant growth.

Make working/non working model with led lights for the same.

Topic 5: Genetic Engineering (Transgenic Plants) (Roll no.33-40)

Organism (plant/animal) whose genetic material has been altered using genetic engineering techniques or DNA technology. Eg. Bt-Cotton (plant) and transgenic cows (producing insulin in milk).

Students can make a **pyramid shape or a standing 3D model** can use reflecting glasses to show the phenomenon of reflection.

Topic 6: Nano Architect (Roll no.41-till last roll no.)

Nanostructured cementitious materials, represent an interesting application of nanotechnology in the construction industry. To understand the relevance of these innovations, an approach aimed at identifying the possible impact on design and construction is required.

Prepare a **3D working/non-working model** for the same which has to be **supported by a scroll chart or 3D pop up cards** displaying the working.

MATHEMATICS PROJECT :

1. The class will be divided according to the roll numbers given below and activities given against them.

2. Use only bio – degradable materials for above activities (use of thermocol, plastic etc. is prohibited)

3. The assignment given below is to be done by all students in a class register.

Roll No.	Type of Activity	Description of Activity
1 – 5	Mathematical Game	Make an actual game using Vedic Mathematics.
6 – 10	Working Models	"India's next gift to the World probably could be Vedic Mathematics". Explain this with the help of project/ working model.
11 – 15	Project along with report	"Application of Vedic Mathematics in the field of IT".
16 – 20	Brochure	"Scope of Vedic Mathematics in modern times, so that India can be VISHWAGURU once again."
21 – 25	Pamphlets	"Scope of Vedic Mathematics in modern times, so that India can be VISHWAGURU once again."
26 – 30	Calendar	Prepare a calendar based on Vedic Mathematics Sutras and their application."
31 - 35	Green Building Designing	Design a model of Green Infrastructure (building/ flyovers/ skyscrapers/ means of transport etc.)
36 – 40	Scrap Book	Modern Mathematics vs Vedic Mathematics
41 – to the last roll no.	Mathematical Concept Tree	Create a model of tree to demonstrate mathematical concepts (as explained in the class).