



CLASS – VI

SUBJECT – HINDI

1. अपनी पाठ्य-पुस्तक में से प्रतिदिन कोई भी 5 वाक्य अपनी अभ्यासपुस्तिका में लिखें। (दिनांक और दिन ऊपर लिख दें)।
2. निम्न विषयों पर अनुच्छेद (paragraph) लिखें - (प्रत्येक 70-80 शब्द) लय संगठन
(क) मेरा प्रिय खेल
(ख) मेरे जीवन का लक्ष्य
(स) वृक्षों का महत्व
3. आप घर पर माताजी के कौन-कौन से कामों में उनकी मदद करते हैं? लिखें।
4. महात्मा गांधी जी के जीवन के बारे में कोई 10 वाक्य लिखिए।
5. आपके घर में हिंदी की कौन-कौन सी किताबें हैं? उनके नाम लिखें और आपको कौन सी किताब सबसे अच्छी लगी और क्यों ?
6. अपनी मनपसंद कविता स्वरचित या किसी किताब से लिखकर याद करो। (जैसे पुष्प की अभिलाषा, भारतवर्ष इत्यादि)

SUBJECT – ENGLISH

- Read a paragraph 15 min daily and Write the paragraph in good cursive handwriting . (In rough notebook)
- Write your daily activity in your learners diary.
- Write 5 new words every day with their sentences.(In english notebook)

SUBJECT – MATHS

Section A: Multiple Choice Questions

1. What comes next in the pattern? 3, 6, 9, 12, ____ a) 13 b) 14 c) 15 d) 16
2. Identify the rule: 4, 8, 12, 16 a) +2 b) ×2 c) +4 d) -4
3. Which number completes the pattern? 2, 5, 10, 17, ____ a) 24 b) 26 c) 28 d) 30
4. A line that has no endpoints is called: a) Line segment b) Ray c) Line d) Angle
5. An angle less than 90° is called:
a) Obtuse angle b) Acute angle c) Right angle d) Straight angle
6. Two lines that never meet are called:
a) Intersecting lines b) Parallel lines c) Perpendicular lines d) Rays
7. What is the next term? 1, 4, 9, 16, ____ a) 20 b) 21 c) 25 d) 36

8. The angle formed by two perpendicular lines is: a) 45° b) 60° c) 90° d) 180°

Section B: Fill in the Blanks

9. The pattern 5, 10, 15, _____ increases by _____ each time.

10. A ray has _____ endpoint.

11. An angle measuring exactly 90° is called a _____ angle.

12. The next number in the pattern 10, 20, 30, _____ is _____.

Section C: Short Answer Questions

13. Write the next three terms: 7, 14, 21, _____, _____, _____

14. Explain the rule of the pattern: 2, 6, 18, 54 15. Define: a) Line segment b) Ray

16. Draw and label: a) An acute angle b) A right angle

Section D: Case-Based Questions

17. Case Study 1 (Patterns): A student writes a pattern: 1, 3, 6, 10, 15

a) Find the next term.

b) What type of pattern is this?

c) Write the rule used.

18. Case Study 2 (Lines & Angles): Two lines intersect each other and form four angles. One of the angles is 90° .

a) What type of lines are these?

b) What will be the measure of the other angles?

c) Name the type of all angles formed

SUBJECT – SCIENCE

S.No.	Student Name	Assigned Summer Homework (Chart/Model)
1	AAVAN MASIH	Model: Discovery Box
2	ADIVA KHAN	Chart: The Scientific Method
3	AMBER FATIMA QURAIISHI	Model: Groupings of Plants
4	ANKUR MARKAM	Chart: Living vs. Non-living
5	ANUKRITI ANANT	Model: 3D Animal Cell
6	ASHMIT GIRI	Chart: Classification of Animals
7	BHISHAI HEMANT BHAGAT	Model: Balanced Diet Plate
8	BHOUMI MAHAJAN	Chart: Food Miles Map
9	BHUPENDRA BAGHEL	Model: Millets Display
10	CHHAYA GAWDE	Chart: Vitamin Deficiency Table
11	DRISHTI RANGARI	Model: Human Teeth Model
12	HEMAKSH SHARMA	Chart: Healthy vs. Junk Food
13	IKSHUMALINI MARKAM	Model: Floating Compass
14	KIRTI KUMBHKAR	Chart: Magnetic vs. Non-Magnetic
15	MANAN	Model: Magnet Game
16	MAYANK	Chart: Poles of a Magnet
17	MAYRA NISHAD	Model: Magnetic Field Pattern
18	MEERA KHAN	Model: Homemade Ruler
19	MOHIT	Chart: Ancient Measurement Units
20	MOKSHIKA PRADHAN	Model: Simple Pendulum
21	NIDHISH PATEL	Chart: Types of Motion
22	NIKHIL NETI	Model: Measuring Tape
23	PAYAL DEHARI	Chart: Standard Units Table
24	PRAKRITI CHANDEL	Model: Transparency Tester
25	PRAKRITI NETAM	Chart: States of Matter
26	PRATYAKSHA DEWANGAN	Model: Air Thermometer
27	PRERNA DHRUW	Chart: Temperature Scales
28	PRIYANSH DEWANGAN	Model: Rough vs. Smooth Board
29	PRIYANSH RANA	Chart: Conductivity Chart
30	PRIYANSHI TIWARI	Model: Water Cycle in a Bottle
31	RADHYA VISHWAKARMA	Chart: Sources of Water
32	SAACHI SHARMA	Model: Natural Water Filter
33	SAKSHI CHOUREY	Chart: Methods of Separation
34	SHANAYA BEHERA	Model: Sieving Setup
35	SHOURYA PRATAP SINGH	Chart: Save Water Posters
36	SHRADDHA DEWANGAN	Model: Response to Stimuli
37	SRISHTI WATTI	Chart: Habitat Adaptation
38	SWARA KUNWAR	Model: Waste Segregation Bins
39	TANISHKA SAHU	Chart: The 3 R's
40	TIYA SEN	Model: Compost Pit Model
41	TOSHAN KUMAR KASHYAP	Chart: Endangered Species
42	TOSHIKA JAIN	Model: Phases of the Moon
43	TUSHANT MARKAM	Chart: Our Solar System
44	UNNAYAN DEWANGAN	Model: Constellation Projector
45	VANDANA MARKAM	Chart: Day and Night
46	YAMAN YADAV	Model: Space Rocket
47	YASHITA SINHA	Chart: Telescope Invention

SUBJECT – SST

Attempt following simple COMPETENCY BASED QUESTIONS after reading the chapter-

Q1. Our family is an important part of life. Do you agree? Why family is important to you?

Q.2 You live in a specific different communities. What are they? What is a community and what is its role?

Q3. What types of families do you see in your neighborhood?

Q4. What types of families are more frequent? Why do you think this is so?

Q5. Make a list of all the members of your family you can think of, including a few distant relatives. List their terms in your mother tongue or regional language and try to find the equivalent in English.

Q6. Who in your family decides what is to be bought from the market?

Q7. Who cooks food in your home?

Q8. Who is the oldest person in your family? What roles do the grandparents fulfil?

Q9. Who cleans the floor in your home?

Q10. Draw a simple tree of this family of seven members.

PROJECT WORK

Group Activity of 3 students.

Make a unique working model for your Social Science Lab using the concepts from any of your chapters in the syllabus.

SUBJECT - SANSKRIT

1 - बालक, बालिका शब्दरूपाणि स्मरन्तु लिखन्तु।

2 - पठ्, लिख् धातु रूपाणि लट्लकारे, लोट्लकारे स्मरन्तु लिखन्तु च।

3 - 1-20 पर्यन्तम् सङ्ख्यानि स्मरन्तु लिखन्तु च।

4 - संस्कृत भाषायां प्रतिज्ञा स्मरन्तु लिखन्तु च।

5 - अपने दैनिक जीवनचर्यायाः (Daily Routine) का वर्णन ५-७ वाक्यों में संस्कृत में कीजिए। (उदाहरण - प्रातः अहं प्रार्थनाम् पठामि। ततः विद्यालयं गच्छामि। इत्यादि।)

PHYSICAL & HEALTH EDUCATION PROJECT

Title: "My Fitness & Healthy Lifestyle Journey"

1. Objectives

- To develop awareness about physical fitness and health.
- To encourage daily exercise and healthy eating habits.
- To improve observation and recording skills.
- To promote active participation and teamwork.

2. Duration

25-30 Days

3. Project Components (Interactive Activities)

A. Daily Fitness Tracker (Activity-Based)

Students will maintain a daily record of:

- Exercise performed (running, skipping, yoga, etc.)
- Duration (in minutes)
- Water intake (number of glasses)
- Sleep hours

Sample Table Format:

Day	Exercise	Time (Minutes)	Water Intake	Sleep Hours
3/05/2026	Exercise performed (running, skipping, yoga, etc.)	30 min	6 liter	7 hours

B. Healthy Plate Activity

- Draw and color a balanced diet plate.
 - Include:
 - Fruits
 - Vegetables
 - Proteins
 - Carbohydrates
 - Dairy
-

C. Poster Making

Topic (choose one):

- "Importance of Exercise"
 - "Stay Fit, Stay Healthy"
 - "Say No to Junk Food"
-

D. Survey Activity (Interactive)

Students will ask 5 family members or friends:

- Do you exercise daily? (Yes/No)
- How many hours do you sleep?
- Do you eat fruits daily?

Present findings in simple TABLE FORM form.

S.NO	NAME OF MEMBER	RELATION	EXERCISE DAILY (YES/NO) IS YES THEN MENTION THE TIME	Sleep Hours	DO YOU EAT FRUITS DAILY

E. Yoga Practice

Learn and perform any 2 yoga poses, such as:

- Tadasana
- Vrikshasana any other also.

Task: Draw or paste your pictures while performing yoga poses and write 2 benefits of each.

4. Project Submission Format in your physical and health education notebook.

- Cover Page (Name, Class, Section)
- Index
- All activities (neatly written/drawn)
- Conclusion

5. Conclusion (Student Writing)

Students will write:

- What they learned
- Changes they noticed in their routine

CLASS – VII

SUBJECT – HINDI

प्रश्न- 1 अपने दैनिक जीवन में प्रयोग होने वाले पांच पांच मुहावरे एवं लोकोक्तियों (कहावतें) लिखिए एवं उनका वाक्यों में प्रयोग कीजिए ।

प्रश्न-2 हिन्दी विराम चिन्हों का, हिन्दी वर्णमाला, कारक के नाम व पहचान चिह्न इनमें से किसी एक विषय पर एक चार्ट तैयार कीजिए जिसको कक्षा में लगाया जा सके।

प्रश्न-3 आप अपनी आत्मकथा अपने शब्दों में लिखिए। (लगभग 100-150 शब्दों में)

प्रश्न-4 आप अपनी हिन्दी किताब की या स्वरचित मन पसंद कोई एक कविता लिखिए और याद कीजिए।

प्रश्न- 5 प्रतिदिन अपनी हिन्दी किताब, समाचार पत्र, कहानी, उपन्यास आदि पढ़ने का अभ्यास कीजिए। कोई 10 अच्छी बातें जो आपको किसी पुस्तक से सीखने मिली, अपनी अभ्यासपुस्तिका में लिखें।

प्रश्न- 6 कोई पांच पहलियाँ संकलित करके लिखें और अवकाश के बाद कक्षा में पूँछे, कितने विद्यार्थी उसका सही जवाब दे पाते हैं।

SUBJECT – ENGLISH

- Read a paragraph 15 min daily
- Write the paragraph in good cursive handwriting. (In rough notebook)
- Write the summary of chapters included in Unit -1 to Unit -3 (My brother's great invention) in your English notebook
- Write your learners diary daily. (In diary)

SUBJECT – MATHS

Section A: Multiple Choice Questions

1. Which of the following is the largest number? a) 9,99,999 b) 10,00,000 c) 99,99,999 d) 1,00,00,000
2. 1 crore is equal to: a) 10 lakh b) 100 lakh c) 1000 lakh d) 10,000 lakh
3. Write 8,04,05,009 in words. a) Eight crore four lakh five thousand nine b) Eight lakh four crore five thousand nine c) Eight crore forty lakh five thousand nine d) Eight crore four thousand five nine
4. Which bracket should be solved first? a) $()$ b) $\div c) \times d) +$
5. Value of $8 + 4 \times 3$ is: a) 36 b) 20 c) 24 d) 12
6. 1 million is equal to: a) 1 lakh b) 10 lakh c) 100 lakh d) 1000 lakh
7. Simplify: $18 \div 3 + 5$ a) 11 b) 7 c) 6 d) 9
8. Successor of 99,99,999 is: a) 1,00,00,000 b) 99,99,998 c) 10,00,000 d) 1,00,000

Section B: Fill in the Blanks

9. 10 lakh = _____ million.
10. The predecessor of 1,00,00,000 is _____.
11. In the expression $7 + 3 \times 2$, the answer is _____.
12. The number 5,08,09,456 has _____ digits. Section

C: Short Answer Questions

13. Write in numerals: Seventy-two lakh eight thousand fifteen.
14. Arrange in ascending order: 45,67,890 ; 4,56,78,900 ; 45,67,809
15. Simplify using BODMAS: $24 \div 4 \times 3 + 2$ 16. Simplify: $18 + (6 \times 4) - 5$

Section D: Case-Based Questions

17. Case Study 1: Population Data The population of a city is 3,45,67,890. Answer the following: a) Write the number in words. b) How many lakhs are there in the number? c) What is the digit at ten lakh place? d) Write the number in international system.

18. Case Study 2: Shopping Calculation Riya buys: • • 3 notebooks at ₹25 each 2 pens at ₹10 each She calculates the total using expression: $(3 \times 25) + (2 \times 10)$

Answer: a) Write the arithmetic expression.

b) Solve the expression.

c) If she gives ₹100, how much money will she get back?

d) Which mathematical operations are used

SUBJECT – SCIENCE

S.No.	Student Name	Summer Homework (Class 7)
1	AARYANSHI MISHRA	Chart: Famous Scientists & their Discoveries
2	ABHINAV MARKAM	Chart: Steps of the Scientific Method
3	ABHISHEKH KUNJAM	Chart: History of Ancient Indian Science
4	AISHA MANDAVI	Model: DIY Natural Indicator (Turmeric Paper)
5	ANSH KUMAR	Chart: pH Scale with Household Items
6	ANUJ SAINI	Model: Red Rose Petals as Acid-Base Indicator
7	APEKSHA TIWARI	Chart: Neutralisation Reaction in Daily Life
8	AROHI MATLAM	Model: Simple Electric Circuit (Cell + Bulb)
9	BHAVYA RANGARI	Chart: Symbols of Electrical Components
10	BHOOMISH RANGARI	Model: DIY Cardboard Flashlight/Torch
11	DAKSH MANDAVI	Chart: Conductors vs. Insulators (Display)
12	DAMINI MAHLA	Chart: Properties of Metals (Ductility/Malleability)
13	DEWANSH MISHRA	Model: Corrosion/Rusting of Iron (Observation Kit)
14	EKANT LAKRA	Chart: Essential Non-metals for Life
15	HIMANSHU SINGH	Model: Conduction of Electricity in Metals
16	JAYOTSANA MARKAM	Chart: Physical vs. Chemical Changes Examples
17	JIGYA JAIN	Model: Growing Salt or Sugar Crystals
18	KAVYA SINGH	Chart: Weathering of Rocks & Soil Erosion
19	KUSHAGRA GANDHI	Chart: Reversible vs. Irreversible Changes
20	MAHI YADAV	Chart: Changes during Puberty (Growth)
21	MOHNISH SODI	Chart: Balanced Diet for a Healthy Teenager
22	MOKSH DEWANGAN	Chart: Role of Hormones in the Human Body
23	MOKSHIT NETAM	Chart: Healthy Habits (Personal Hygiene/Exercise)
24	NIKETAN MUDULI	Model: Conduction in Solids (Metal Rod Exp)
25	NITYA DEWANGAN	Model: Convection Currents in Water (with dye)
26	OJAL KULDEEP	Chart: Land Breeze and Sea Breeze
27	PAKHI NAG	Chart: Diagram of the Global Water Cycle
28	PARIDHI SAHU	Model: Working Simple Pendulum
29	PRIYANSHI NETAM	Model: DIY Sand Timer (Hourglass)
30	REYANSH KUMAR YADAV	Chart: Relationship: Speed, Distance, and Time
31	SAMRIDDHI TIWARI	Chart: Types of Motion (Linear/Oscillatory)
32	SARTHAK PANDEY	Model: Human Digestive System (3D Clay Model)
33	SOUMY ANKIT	Model: Working Model of Human Lungs (Balloons)
34	SRISHTI KORRAM	Chart: Respiration in Insects (Tracheal System)
35	SURMYA YADAV	Chart: Comparison: Aerobic vs. Anaerobic Respiration
36	SVEKSHA MARKAM	Chart: Photosynthesis (Sunlight to Food Process)
37	TANVIR NETAM	Model: Transpiration (Plastic Bag)
38	UPASANA USENDI	Chart: Transport of Water (Xylem/Phloem)
39	VAISHNAVI PANDEY	Chart: Reflection of Light (Plane Mirror Rays)
40	VEDANSHI DHRUW	Model: Working Pinhole Camera
41	VIJENDRA MARKANDEY	Model: DIY Kaleidoscope (Multiple Reflections)
42	YAMNI BAGHEL	Model: Solar and Lunar Eclipse (3D Ball Model)
43	YUGANT SETHIYA	Chart: Rotation vs. Revolution of Earth

SUBJECT – SST

Attempt following simple questions after reading the chapter.

Chapter- From Rulers to the ruled.

Q1. We cannot imagine our lives without a government. Why Government is important? (CBA)

Q2. What are different functions of government in India?

Q3. What is democracy? Why it is a better form of Government than others? (CBA)

Q4. There are many types of Governments. Can you differentiate? (CBA)

Q5. Write a Short note on-

A. Direct Democracy

B. Representative Democracy

C. Parliamentary Democracy

D. Presidential Democracy

E. Executive

F. Legislature

Q6. What do you know about Early Republics of India? (CBA)

Q7. Why Democracy matters today? (CBA)

Q8. In the light of recent elections, explain how elections are backbone of Democracy. (CBA)

PROJECT WORK

Group Activity of 3 students.

Make a unique working model for your Social Science Lab using the concepts from any of your chapters in the syllabus.

SUBJECT - SANSKRIT

1 - लिख, वद्, गम् धातु रूपाणि लट्लकारे, लङ्लकारे, लोट्लकारे, लृट्लकारे च स्मरन्तु लिखन्तु च।

2 - बालक, बालिका, नदी शब्दरूपाणि स्मरन्तु लिखन्तु च।

3 - संस्कृत भाषायां प्रतिज्ञा स्मरन्तु लिखन्तु च।

4 - संस्कृत श्लोक (5) स्मरन्तु।

5 - अपने नगर/ग्रामे (शहर या गाँव में) देखे जाने वाले 5 प्राकृतिक दृश्यों (वृक्षः, नदी, पक्षी, सूर्यः, पुष्पाणि इत्यादि) का वर्णन संस्कृत शब्दों में कीजिए।

CLASS – VIII

SUBJECT – HINDI

1. लेखन कार्य

प्रतिदिन एक पृष्ठ सुंदर लेख (सुलेख) लिखिए।

अपने ग्रीष्मावकाश का अनुभव लिखिए।

“मेरा प्रिय त्योहार” विषय पर निबंध लिखिए।

अपने मित्र को गर्मी की छुट्टियों के बारे में पत्र लिखिए।

2. पठन कार्य

प्रतिदिन हिंदी की एक कहानी पढ़िए।

कोई एक प्रेरणादायक कहानी पढ़कर उसका सार लिखिए।

पाठ्यपुस्तक के 5 पाठ पढ़कर कठिन शब्दों के अर्थ लिखिए।

3. व्याकरण कार्य

20 पर्यायवाची शब्द लिखिए।

20 विलोम शब्द लिखिए।

20 मुहावरे और उनके अर्थ लिखिए।

संज्ञा, सर्वनाम, विशेषण के 10-10 उदाहरण लिखिए।

4. रचनात्मक कार्य

जल संरक्षण पर एक पोस्टर बनाइए।

पर्यावरण बचाओ विषय पर स्लोगन लिखिए।

अपनी पसंदीदा कविता याद कीजिए और लिखिए।

5. परियोजना कार्य (Project Work)

विषय – “स्वतंत्रता सेनानी”

किसी एक स्वतंत्रता सेनानी पर चित्र सहित परियोजना तैयार कीजिए।

6. याद करने हेतु

दो कविताएँ कंठस्थ कीजिए।

हिंदी वर्णमाला, संज्ञा, सर्वनाम की पुनरावृत्ति कीजिए।

निर्देश:

कार्य साफ-सुथरी लिखावट में करें।

सभी कार्य अलग गृहकार्य कॉपी में करें।

विद्यालय खुलने पर जमा करें।

SUBJECT – ENGLISH

Q1) A) Write a letter to the shopkeeper about a defective school bag.

B) Write a letter to your school, Enquiry about School Admission.

Q2) Write an essay (100–120 words).

1. Importance of time . 2. Importance of Education .

Q3) Write a report (100–120 words) 1. Write a report on a tree plantation drive in your school.

Q4) Use these binomials in sentences:

1. bread and butter 2. ups and downs 3. sooner or later 4. give and take 5. black and white

Q5) Choose the Correct participles Option.

1. The _____ boy is my brother.(run / running) 2. The _____ window needs repair.(break / broken) 3. _____ his meal, he went out.(Having eaten / Eating) 4. The _____ baby is crying.(sleep / sleeping) 5. The _____ book is on the table.(write / written)

SUBJECT – MATHS

Section A: Multiple Choice Questions

1. Which of the following is a perfect square? a) 48 b) 64 c) 72 d) 90
2. Which of the following is a perfect cube? a) 81 b) 125 c) 144 d) 169
3. Square root of 144 is: a) 10 b) 11 c) 12 d) 14
4. Cube root of 216 is: a) 4 b) 6 c) 5 d) 8
5. is equal to: a) 8 c) 16 b) 12 5 d)32
6. The value of is: a) 100 b) 1000 c) 10000 d) 30
7. Which law of exponents is correct? a) b) c) d)
8. is equal to: a) 5 b) 0 c) 1 d) 25

Section B: Fill in the Blanks

9. The square root of 225 is _____.
10. The cube of 7 is _____.
11. _____.
12. Any non-zero number raised to power 0 is _____

Section C: Short Answer Questions

13. Find the square root of 196.
14. Find the cube root of 343.
15. Simplify using laws of exponents:
16. Evaluate:

Section D: Case-Based Questions

17. Case Study 1: Garden Design A square garden has area 256 m^2 . d) 14 d) 8 Answer the following: a) Find the side of the garden. b) Find its perimeter. c) Is 256 a perfect square? d) Write two more perfect squares near 256.
18. Case Study 2: Stacking Cubes A toy company packs cubes in a large cube box containing 729 small cubes. Answer the following: a) Find the cube root of 729. b) How many cubes are arranged along one edge? c) Is 729 a perfect cube? d) Write cube of 10

SUBJECT – SCIENCE

1. Relate the role of microorganism in our daily life and explain the types of microorganism playing crucial role in our living world.

2. How health and Disease are related? Explain briefly about different types of disease and their ways of treatment and prevention.
3. Analyse how electricity is generally produced in our country India and explain different ways of electricity production prevalent in India.
4. We all are surrounded with matter. Describe the nature of matter and its types.
5. What causes storms and cyclones? If the earth stopped rotating, would cyclones still form?

SUBJECT – SST

Attempt following simple questions after reading the chapter.

Chapter- Universal Franchise and India's Electoral System.

Q1. Voting has been the most basic right in a Democracy. What is Universal Adult Franchise?

Why it is important? (CBA)

Q2. What is Election Commission of India? What are its functions?

Q3. What is Model Code of Conduct? Why according to you it is important? Give some examples. (CBA)

Q4. Differentiate between elections of Lok Sabha and Rajya Sabha.

Q5. Write a Short note on-

- A. Direct Elections
- B. Indirect Elections
- C. Parliamentary Democracy
- D. Presidential and Vice President Elections
- E. Executive
- F. Legislature

Q6. In the light of recent elections, explain how elections are backbone of Democracy. What are the challenges to Electoral process. (CBA)

PROJECT WORK

Group Activity of 3 students.

Make a unique working model for your Social Science Lab using the concepts from any of your chapters in the syllabus.

SUBJECT - SANSKRIT

- 1 - अस्, भू, धाव्, खाद्, पिब् धातु रूपाणि लट्लकारे, लङ्लकारे, लोट्लकारे, लृट्लकारे, विधिलिङ्लकारे च स्मरन्तु लिखन्तु च।
- 2 - मुनि, साधु, बालक, बालिका, तत्, किम् शब्दरूपाणि स्मरन्तु लिखन्तु च।
- 3 - संस्कृत भाषायां प्रतिज्ञा स्मरन्तु लिखन्तु च।
- 4 - संस्कृत श्लोक (5) स्मरन्तु।
- 5 - अपने घर में प्रयोग होने वाली १० वस्तुओं (जैसे - पुस्तकः, दर्पणः, पटलः, कलशः, लेखनी इत्यादि) के नाम संस्कृत में लिखिए और उनका चित्र बनाइए।

CLASS – IX

SUBJECT – HINDI

कठिन शब्दों के अर्थ लिखें

प्रत्येक पाठ का संक्षिप्त सार (Summary) लिखें

निबंध लेखन

पर्यावरण संरक्षण का महत्व

डिजिटल इंडिया

(कोई एक – 250–300 शब्द)

(ख) पत्र लेखन

अपने मित्र को ग्रीष्मावकाश का अनुभव बताते हुए अनौपचारिक पत्र लिखें

(ग) अनुच्छेद लेखन

जल ही जीवन है (120–150 शब्द)

3. व्याकरण कार्य

संधि (5 उदाहरण)

समास (5 उदाहरण)

मुहावरे (10 – अर्थ सहित)

विलोम शब्द / पर्यायवाची (10–10)

SUBJECT – ENGLISH

1. Literature

1. 1st lesson Should be fully completed

2. Poetic Devices (At least 20)

2. Grammar

1. Tense

2. Voice

3. Letter Writing

• Formal

• Informal

4. Skills (short notes)

1. Listening
2. Speaking
3. Reading
4. Writing

SUBJECT – MATHS

1. Express in $\frac{p}{q}$ form: (i) $0.5\bar{6}$
2. Define point, ray, line, line segment and explain it.
3. Construct bar graph of given data :

Vehical	Bus	Train	Cycle	Pedestrian
Running	20km	35km	26km	45

4. Find the distance between two point A(5,5) and B(6,-5).
5. Find the probability of getting sum of both number sum is 5 if two dice thrown together.
6. Make aal angle chart.
7. What do you mean by congruence of triangle. Describe in own word.
8. What do mean by magic number.
9. Write about mathematician ramanujan.
10. Make line for linear equation $2x-3y=5$.
11. Rationalise: (i) $\frac{1}{\sqrt{2}}$ (ii) $\frac{2+\sqrt{3}}{2-\sqrt{3}}$

SUBJECT – SCIENCE

All questions are compulsory.

1. Give a comparative analysis with diagrammatic representation of a bacterial cell, animal cell and a plant cell.
2. Make a flow chart along with mind map to present types of plant and animal Tissues.
3. Describe various natural forces of nature along with daily life examples.
4. Elaborate about mixtures and their types with brief illustration regarding methods of separation.
5. Sound is a form of energy. What effect does electronic earphones and gadgets have in our ear and the whole body. Conduct a research explaining the beneficial and harmful effects on Human life.

SUBJECT – SST

- Q1. The pre-historic times have been one of the most unexplored areas of human history. Explain the main features of the Palaeolithic Age. (CBA)
- Q2. The growing of Crops marked the major evolution of guman society. Explain the importance of the Neolithic Age. (CBA)

Q3. Explain the main features of the Harappan Civilisation.

Q3. Explain the main features of the Harappan Civilisation.

Q4 Case: Early humans started growing crops, domesticating animals, and living in permanent houses instead of moving from place to place.

Question: Identify the stage of human development and explain its major features. (CBA)

Q5. Case: A civilisation had well-planned cities, drainage systems, and evidence of trade and craft activities.

Question: Identify the civilisation and explain its key features. (CBA)

Q6. Analyse the essential features of democracy and their significance.

Q7. Critically evaluate the parliamentary and presidential systems of democracy. (CBA)

Q8. Examine the roots of democracy in India and their relevance in modern times. (CBA)

Q9. Case: In a country, elections are held regularly, but there is corruption, lack of awareness among citizens, and misuse of power by leaders.

Question: Analyse the challenges to democracy in such a situation. (CBA)

Q10. Case: Two countries follow different systems—one has a Prime Minister responsible to the Parliament, while the other has a President independent of the legislature.

Question: Compare these systems and evaluate their effectiveness. (CBA).

PROJECT WORK

Group Activity of 3 students.

Make a unique working model for your Social Science Lab using the concepts from any of your chapters in the syllabus.

SUBJECT – AI

REAL-LIFE APPLICATION (IMPORTANT)

Case Study-Based Questions

Situation 1: Smart School Attendance System

Your school wants to introduce a Face Recognition Attendance System.

Answer the following:

1. Identify the AI domain used.
2. Write the Problem Statement using 4W Framework.
3. What type of data is required?
4. Mention any 2 ethical issues involved.
5. Suggest one solution to reduce bias.

Situation 2: AI in Agriculture

A farmer wants to use AI to predict crop diseases.

1. Which stage of AI Project Cycle will collect data?
2. What type of data is needed?
3. Which AI domain is used?
4. How will this benefit society?

5. Write one possible risk of AI use.

Situation 3: Online Shopping Recommendation System

Apps like Amazon/Flipkart suggest products.

1. Which AI domain is used?
2. Is it Supervised or Unsupervised Learning? Why?
3. What kind of data is collected?
4. Mention one privacy concern.

Q1. (Coin Based)

A coin is tossed two times. Find the probability of getting:

- a) Two Heads
- b) At least one Tail

Q2. (Dice Based)

A die is thrown once. Find the probability of getting:

- a) A number greater than 4
- b) An even number

Q3. (Cards Based)

A card is drawn from a deck of 52 cards. Find the probability of getting:

- a) A King
- b) A red card

Q4. (Colored Balls)

A bag contains 5 red, 3 blue, and 2 green balls. One ball is drawn at random. Find the probability of getting:

- a) A red ball
- b) A green ball

CLASS – X

SUBJECT – HINDI

कठिन शब्दों के अर्थ लिखें

प्रत्येक पाठ का संक्षिप्त सार (Summary) लिखें

2. लेखन कार्य (Writing)

(क) निबंध लेखन

किसी एक विषय पर 250–300 शब्दों में लिखें:

पर्यावरण संरक्षण

मेरा प्रिय पर्व

(ख) पत्र लेखन

अपने मित्र को ग्रीष्मावकाश के अनुभव के बारे में अनौपचारिक पत्र लिखें

(ग) अनुच्छेद लेखन

“जल ही जीवन है” (120–150 शब्द)

3. व्याकरण कार्य

समास – 5 उदाहरण

मुहावरे – 10 (अर्थ सहित)

पर्यायवाची शब्द – 10

विलोम शब्द – 10

SUBJECT – ENGLISH

Writing skill

NOTICE

1. Blood donation camp
2. Independence Day
3. Water Suspension (10 AM to 4 PM)

CHAPTERS

Ans/Questions: All chapters till date

1 PROSE

3 POEM

Poetic devices (at least 20)

Grammar

1. Tense
2. Voice
3. Determiners

SUBJECT – MATHS

1. State and prove fundamental theorem of arithmetic.

2. Find the value of x and y:

By algebraic method

$$2x - 3y = 9$$

$$3x + 2y = 8$$

By graphical method

$$3x - 5y = 5$$

$$4x-6y=3$$

By substitution method

$$6x+5y=-8$$

$$6x-6y=12$$

3. Find the zeroes of polynomial and verify relation between coefficient and zeroes

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

(ii) $3x^2-x-4$

4. Find mean median:

Marks	0-20	20-40	40-60	60-80
Frequency	15	6	18	10

5. Write about π .

6. Make trigonometric chart.

SUBJECT – SCIENCE

1. Make an investigatory project on “haemodialysis” specifying following points.
(a) Causes (b) symptoms (c) Treatment (d) precautions to be taken (e) a case study.
2. Summarise the topic of LIFE PROCESS in a flow chart and diagrammatic format.
3. Classify various items like spices on the basis of acid base and salts. Make a report about
(a) taste (b) odour (c) chemical nature.
4. Make a flow-chart of various types of chemical reactions and give at least 5 examples of reactions each.
5. Eye is a beautiful gift to every higher organism. Briefly explain different types of defects that reduces eye functioning and also mention how these defects can be corrected.

SUBJECT – SST

CHAPTER - 1 DEVELOPMENT

- Q1. Income Criteria has been the primary indicator of development. Explain how and why it has been criticised? (CBA)
- Q2. What are the ways with which we measure National Development? Explain in the light of GDP.
- Q3. How do we compare different countries based on different criterias for development? (CBA)
- Q4. What is average income or Per Capita Income? What are its pros and cons for understanding development of individuals? (CBA)
- Q5. Why do you think Only Government provides basic public facilities most of the times and not the private sector? (CBA)
- Q6. Explain Human Development Report by UNDP.
- Q7. What is Sustainable Development and how can we preserve resources?

Q8. What is Development planning? How Government prepares National Plans for Development? (CBA)

CHAPTER - 2 POLITICAL SCIENCE FEDERALISM

Q1. What is Federalism? Why do you think many countries in the world have adopted it? (CBA)

Q2. Differentiate between Unitary System and Federal System of Government with examples.

Q3. What are the key features of Federalism?

Q4. How do you think Indian Federalism is different from true federal structure? (CBA)

Q5. What Makes India a Federal Country? (CBA)

Q6. Different Routes Through Which Federations Can Be Formed? (CBA) (TYPES OF FEDERAL SYSTEMS)

Q7. How Federalism is practiced in India?

Q8. Write a Short note on-

A. Panchayati Raj System

B. Urban Local Government.

PROJECT WORK

Group Activity of 3 students.

Make a unique working model for your Social Science Lab using the concepts from any of your chapters in the syllabus.

SUBJECT - AI

Q1. Explain neural networks. Describe the three layers of neural networks.

Q2. Identify the type of learning (supervised, unsupervised, reinforcement learning) and justify the following case studies most likely based on?

Case Study 1: A company wants to predict customer churn based on past purchasing behaviour, demographics, and customer interactions. They have a dataset with labelled examples of customers who churned and those who did not.

Case Study 2: A social media platform wants to group users based on their interests and behaviour to recommend relevant content. They have a large dataset of user interactions but no predefined categories.

Case Study 3: An autonomous vehicle is learning to navigate through a city environment. It receives feedback in the form of rewards for reaching its destination safely and penalties for traffic violations.

Case Study 4: A healthcare provider wants to identify patterns in patient data to personalize treatment plans. They have a dataset with various patient attributes but no predefined labels indicating specific treatment plans.

Q3. Consider a sentiment analysis task where a model classifies movie reviews as positive or negative. The model correctly predicts 120 positive sentiments out of 200 positive

instances. However, it also incorrectly predicts 40 negative sentiments as positive. Calculate the Accuracy, Precision, Recall, and F1-Score.

Q4. Analyze the following case study, draw a confusion matrix for it, and then calculate its accuracy and F1-score:

Case Study: A medical diagnosis system is used to classify patients as having a certain disease (1) or not having it (0). Out of 1000 patients:

True Positives (TP): 120 patients were correctly diagnosed with the disease.

False Positives (FP): 20 patients were incorrectly diagnosed with the disease.

True Negatives (TN): 800 patients were correctly diagnosed as not having the disease.

False Negatives (FN): 60 patients were incorrectly diagnosed as not having the disease.

Q5. Calculate Accuracy, Precision, Recall and F1 Score for the following Confusion Matrix on Heart Attack Risk. Also suggest which metric would not be a good evaluation parameter here and why?

The Confusion Matrix	Reality: 1	Reality: 0
Prediction: 1	50	20
Prediction: 0	10	20

The Confusion Matrix	Reality: 1	Reality: 0	
Prediction: 1	50	20	70
Prediction: 0	10	20	30
	60	40	100