

Class 10 – 20-Day Holiday Homework Worksheet

Subjects: English, Hindi, Maths, Science, Social Science, Computer

Instructions: Complete one day's tasks daily. Write answers neatly in the space provided. Use extra sheets if needed.



Day 1

English: Read *A Letter to God* and write a summary in 80 words.

Hindi: पाठ – नेताजी का चश्मा पढ़कर मुख्य विचार लिखिए।

Maths: Define Real Numbers and find L.C.M of two given no.

Real Numbers: _____ L.C.M. Of two
no _____

Science (Physics): Define reflection. Draw a ray diagram for a plane mirror.

Reflection: _____

[Draw diagram below or on a separate sheet]

SST (History): Read the introduction of *Nationalism in Europe*. List 3 key terms.

1. _____

2. _____

3. _____

Computer: What is the Internet? Write 5 uses.

Internet: _____

Uses: 1. _____ 2. _____ 3. _____

4. _____ 5. _____

 **Day 2**

English: Make a character sketch of Lencho (*A Letter to God*).

Hindi: नेताजी का चश्मा से 5 शब्दार्थ लिखिए।

1. _____ : _____ 2. _____ : _____ 3. _____ : _____

2. _____ : _____ 5. _____ : _____

Maths: Find HCF using prime factorisation method (2 questions).

Q1: _____

Q2: _____

Science (Chemistry): Write 3 examples of chemical changes in daily life.

1. _____ 2. _____ 3. _____

SST (Geography): Write the definition of a resource and its types.

Resource: _____

Types: _____

Computer: Write steps to connect a computer to the internet.

 **Day 3**

English: Poem *Dust of Snow* – write the central idea and rhyme scheme.

Central Idea: _____

Rhyme Scheme: _____

Hindi: सूरदास – पद पढ़कर भावार्थ लिखिए।

Maths: Practice 3 LCM-HCF questions using prime factorisation.

Q1: _____

Q2: _____

Q3: _____

Science (Biology): What is nutrition? Explain the autotrophic mode.

Nutrition: _____

Autotrophic Mode: _____

SST (Civics): What is power sharing? Give an example from Belgium.

Power Sharing:

Example: _____

Computer: Write 5 full forms related to the internet (e.g., URL, HTTP).

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Day 4

English: Grammar – Fill 10 blanks with appropriate determiners.

1. _____ apple 2. _____ books

3. _____ house 4. _____ cars 5. _____ time. 6. _____ students 7. _____ day.

8. _____ idea 9. _____ people 10. _____ water

Hindi: वाच्य के भेद समझाइए (कर्तृवाच्य, कर्मवाच्य, भाववाच्य)।

Maths: Write the degree of given polynomials and classify them.

Polynomial 1: _____ Degree: _____ Type: _____

Polynomial 2: _____ Degree: _____ Type: _____

Science (Physics): Laws of reflection with ray diagrams.

Laws: _____

[Draw diagram below or on a separate sheet]

SST (History): Who was Frederic Sorrieu? Describe his vision.

Computer: Draw a labelled diagram of a web browser screen.

[Draw below or on a separate sheet]

 **Day 5**

English: Poem *Fire and Ice* – write the theme and symbolic meaning.

Theme: _____

Symbolic Meaning: _____

Hindi: माता का आँचल का सारांश 100 शब्दों में लिखिए।

Maths: Add and subtract polynomials (4 questions).

Q1: _____

Q2: _____

Q3: _____

Q4: _____

Science (Chemistry): Write word equations of 5 chemical reactions.

1. _____ 2. _____ 3. _____

2. _____ 5. _____

SST (Geography): Explain the classification of resources.

Computer: List any 5 Internet Service Providers (ISPs) in India.

1. _____ 2. _____ 3. _____
2. _____ 5. _____

 Day 6

English: *Nelson Mandela* – write a summary and message of the lesson.

Summary: _____

Message: _____

Hindi: वाक्य भेद (रचना के आधार पर) – भेद व उदाहरण लिखिए।

Maths: Multiply 2 polynomials (2 examples).

Q1: _____

Q2: _____

Science (Biology): Draw the human digestive system and label parts.

[Draw below or on a separate sheet]

SST (Civics): Write features of the Belgium power-sharing model.

Computer: Write 2 advantages and 2 disadvantages of the internet.

Advantages: 1. _____ 2. _____

Disadvantages: 1. _____ 2. _____

 Day 7

English: Write 5 word meanings and sentences from *Nelson Mandela*.

1. _____:

Sentence: _____

2. _____:

Sentence: _____

3. _____:

Sentence: _____

4. _____:

Sentence: _____

5. _____:

Sentence: _____

Hindi: सूरदास – किसी एक पद का भावार्थ लिखिए।

Maths: Solve 2 questions from pair of linear equations.

Q1: _____

Q2: _____

Science (Chemistry): Types of chemical reactions with one example each.

1. _____ Example: _____

2. _____ Example: _____

3. _____ Example: _____

SST (Geography): Resource planning in India – write 5 key points.

1. _____

2. _____

3. _____

4. _____

5. _____

Computer: Create a table for types of websites (e.g., edu, gov, com).

Type	Description	Example
_____	_____	_____
_____	_____	_____

 Day 8

English: *Triumph of Surgery* – write a diary entry of Tricki after recovery.

Hindi: माता का आँचल – दो संवाद लिखिए।

Maths: Graphical solution of pair of linear equations (draw graphs).

[Draw below or on a separate sheet]

Science (Biology): Define respiration and its types.

Respiration: _____

Types: _____

SST (History): Write a short note on the unification of Germany.

Computer: Draw and label parts of an email window.

[Draw below or on a separate sheet]



Day 9

English: Prepare a dialogue between doctor and patient (*Triumph of Surgery*).

Hindi: पत्र लेखन – अपने भाई को परीक्षा की तैयारी पर पत्र लिखिए।

Maths: Solve pair of equations using substitution method (2 questions).

Q1: _____

Q2: _____

Science (Physics): Convex vs concave mirrors (uses and diagrams).

Convex Uses: _____

Concave Uses: _____

[Draw diagrams below or on a separate sheet]

SST (Civics): Write the difference between federal and unitary government.

Computer: Write 3 internet services and explain one in detail.

1. _____ 2. _____ 3. _____

Explanation: _____

 Day 10

English: Grammar – Create 10 MCQs on determiners.

[Continue on a separate sheet if needed]

Hindi: वाच्य के 5 उदाहरण लिखिए।

1. _____ 2. _____ 3. _____

2. _____ 5. _____

Maths: Elimination method – 2 questions.

Q1: _____

Q2: _____

Science (Chemistry): Write and balance 5 chemical equations.

1. _____ 2. _____ 3. _____

2. _____ 5. _____

SST (Economics): Define development and its indicators.

Development:

Indicators: _____

Computer: What is email? Write 5 etiquettes of writing a formal email.

Email: _____

Etiquettes: 1. _____ 2. _____ 3. _____

4. _____ 5. _____

 **Day 11**

English: Write a character sketch of Mrs. Pumphrey.

Hindi: संज्ञा और सर्वनाम में अंतर लिखिए।

Maths: Define quadratic equation. Solve one by factorization.

Quadratic Equation: _____

Solution: _____

Science (Biology): Explain blood flow through the human heart.

SST (History): Write a paragraph on nationalism and its symbols.

Computer: Make a mind map of internet-based services.

[Draw below or on a separate sheet]

 **Day 12**

English: *Dust of Snow* – write one similar experience of your life.

Hindi: सूरदास से 5 कठिन शब्दों के अर्थ लिखिए।

1. _____: _____ 2. _____: _____ 3. _____: _____
2. _____: _____ 5. _____: _____

Maths: Solve quadratic equations using factorisation (2 sums).

Q1: _____

Q2: _____

Science (Physics): Define refraction. Draw a ray diagram (glass slab).

Refraction: _____

[Draw diagram below or on a separate sheet]

SST (Civics): 3 advantages of federalism.

1. _____
2. _____
3. _____

Computer: Create a chart of the top 5 websites used in education.

Website	Purpose
---------	---------

_____	_____
-------	-------

_____	_____
-------	-------

_____	_____
-------	-------

_____	_____
-------	-------

 Day 13

English: Write 5 question-answers from *Nelson Mandela*.

1. Q: _____

A: _____

2. Q: _____

A: _____

3. Q: _____

A: _____

4. Q: _____

A: _____

5. Q: _____

A: _____

Hindi: काव्यांश पर आधारित 5 प्रश्न बनाइए।

1. _____ 2. _____ 3. _____

2. _____ 5. _____

Maths: Practice completing the square method (1 question).

Q: _____

Science (Chemistry): Displacement vs double displacement reaction.

Displacement: _____

Double Displacement: _____

SST (Geography): Soil erosion and conservation measures.

Computer: Identify phishing, malware, cyberbullying (write 2 lines each).

Phishing: _____

Malware: _____

Cyberbullying: _____

 **Day 14**

English: Frame 5 questions from *A Letter to God*.

1. _____

2. _____

3. _____

4. _____

5. _____

Hindi: वाक्य भेद पर 5 उदाहरण बनाइए।

1. _____ 2. _____ 3. _____

2. _____ 5. _____

Maths: Solve one quadratic equation using the quadratic formula.

Q: _____

Science (Biology): Difference between aerobic and anaerobic respiration.

SST (Civics): List 4 features of Indian federalism.

1. _____
2. _____
3. _____
4. _____

Computer: List 5 cyber safety rules.

1. _____ 2. _____ 3. _____
2. _____ 5. _____

 Day 15

English: Revise all 3 poems; create your own short poem (4 lines).

Poem: _____

Hindi: कहानी का शीर्षक बदलकर नई कहानी रचिए।

Maths: Word problems on quadratic equations (2).

Q1: _____

Q2: _____

Science (Physics): Mirror formula and 1 numerical.

Formula: _____

Numerical: _____

SST (History): Write 5 MCQs from *Nationalism in Europe*.

1. _____

2. _____

3. _____

4. _____

5. _____

Computer: Write one benefit of each internet service studied.

1. _____ 2. _____ 3. _____

 **Day 16**

English: Letter writing – Write to the editor about the need for tree plantation.

(Don't leave lines in between)

Hindi: समाचार लेखन: "स्कूल में आयोजित विज्ञान प्रदर्शनी"।

Maths: Prepare a formula sheet for Chapters 1–4.

[Write below or on a separate sheet]

Science (Chemistry): Write activity-based questions (2) for chemical reactions.

Q1: _____

Q2: _____

SST (Geography): Flowchart on the classification of resources.

[Draw below(👉) or on a separate sheet]

Computer: List 3 commands used in internet browsing.

1. _____ 2. _____ 3. _____

 **Day 17**

English: Group discussion topic: "Science is a blessing or curse?" (write points).

Hindi: संवाद लेखन: दो मित्रों के बीच परीक्षा की तैयारी पर।

Maths: Solve one equation by all 2 methods: factor,, formula.

Q: _____

Factor: _____

Formula: _____

Science (Biology): Describe excretion in humans with a diagram.

Description: _____

[Draw diagram below or on a separate sheet]

SST (Economics): Compare per capita income of any 3 states.

Computer: Create a poster on "Safe Internet Use".

[Draw below or on a separate sheet]

 **Day 18**

English: Write a paragraph: "Importance of Freedom".

Hindi: अनुच्छेद लेखन: "परीक्षा का तनाव"।

Maths: Mixed worksheet of all 4 chapters (5 questions).

Q1: _____

Q2: _____

Q3: _____

Q4: _____

Q5: _____

Science: Revise and prepare a summary of all 3 subjects.

Physics: _____

Chemistry: _____

Biology: _____

SST: Prepare 10 one-word questions from all chapters.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

8. _____

9. _____

10. _____

Computer: Write definitions of blog, social media, and search engine.

Blog: _____

Social Media: _____

Search Engine: _____

 Day 19

English: Prepare revision flashcards for all characters.

[Write on a separate sheet]

Hindi: व्याकरण पुनरावृत्ति: सभी टॉपिक के उदाहरण लिखिए।

Maths: Self-assessment test – 10 marks.

[Write below or on a separate sheet]

Science: Create a flowchart of Life Processes.

[Draw below or on a separate sheet]

SST: MCQ worksheet on Civics and History (10 questions).

[Continue on a separate sheet if needed]

Computer: Prepare an internet glossary (10 terms).

1. _____: _____ 2. _____: _____ 3. _____: _____
2. _____: _____ 5. _____: _____ 6. _____: _____
3. _____: _____ 8. _____: _____ 9. _____: _____
4. _____: _____
-

 Day 20

English: Self-made question paper (10 marks) from all lessons.

[Write on a separate sheet]

Hindi: पाठों से 5 अति लघु उत्तर तैयार कीजिए।

1. _____ 2. _____ 3. _____
2. _____ 5. _____

Maths: Create a 10-mark quiz for a friend.

[Write below or on a separate sheet]

Science: Draw labelled diagrams for all 3 subjects.

[Draw below or on a separate sheet]

SST: Revise maps, diagrams, and flowcharts.

[Note revisions below(👉) or on a separate sheet]

Computer: Final revision worksheet (10 MCQs).

[Continue on a separate sheet if needed]
