

हिन्दी

1. पत्र लेखन-

आप नवीं कक्षा में पढ़ने वाले आशीष/सीमा हो। आपने एक कविता लिखी है। इसके प्रकाशन हेतु दैनिक जागरण के संपादक को पत्र लिखिए।

2. निबंध लेखन -

स्मार्ट फोन का छात्रों पर बढ़ता प्रभाव

(भूमिका, आवश्यकता एवं लाभ, दोस्तों पर प्रभाव डालना, दुष्प्रभाव, उपसंहार)

3. प्रतिवेदन -

विद्यालय द्वारा आयोजित शैक्षिक भ्रमण कार्यक्रम पर प्रतिवेदन लिखें।

4. स्कूल की पिकनिक-यात्रा पर संस्मरण लिखें।

5. आपके विद्यालय में कहानी लेखन प्रतियोगिता है। इसकी सूचना और प्रचार के लिए विज्ञापन बनाइए।

MATHEMATICS

1. Define rational and irrational numbers in terms of terminating and non-terminating decimal. Explain with examples

2. Write four equivalent rational numbers of $\frac{2}{5}$.

3. Find ten rational numbers between -1 and 0.

4. Express $\frac{2}{9}$ in decimal form.

5. Express 0.999..... as a fraction in simplest form.

6. Express $0.\overline{163}$ as a fraction in simplest form.

7. Represent the following irrational number on number line

(i) $\sqrt{7}$ (ii) $\sqrt{8.47}$ (iii) $\sqrt{23}$ (iv) $\sqrt{9.3}$

8. Verify the Pythagoras theorem using graphical method.

9. Write the laws of exponent .

10. What is rationalization? Rationalize the denominator of each of the following:

(i) $\frac{3-\sqrt{2}}{3+2\sqrt{2}}$ (ii) $\frac{4}{(\sqrt{7}+\sqrt{3})}$

11. If $x = (4 - \sqrt{15})$; find the value of $(x^2 + \frac{1}{x^2})$.

12. Find the values of a and b in each of the following:

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

13. Show that: $\frac{1}{(3-\sqrt{8})} - \frac{1}{(\sqrt{8}-\sqrt{7})} + \frac{1}{(\sqrt{7}-\sqrt{6})} - \frac{1}{(\sqrt{6}-\sqrt{5})} + \frac{1}{(\sqrt{5}-2)} = 5$

14. Simplify: $(\frac{4+\sqrt{5}}{4-\sqrt{5}} + \frac{4-\sqrt{5}}{4+\sqrt{5}})$

15. Simplify:

(i) $(625)^{-\frac{1}{4}}$ (ii) $\frac{5^{\frac{6}{7}}}{5^{\frac{2}{3}}}$

16. Evaluate:

(i) $(81)^{-\frac{1}{4}}$ (ii) $\frac{1}{(1024)^{-\frac{1}{10}}}$

SOCIAL SCIENCE

❖ Prepare a project on any one topic which should not exceed 15 pages and should include the following heads:

(i) Preface (ii) Index (iii) Acknowledgement

(iv) Detailed report on the topic under necessary heading (meaning, Causes, effects, Precautions) and (v) Bibliography)



SECTION-A (CIVICS)

- * *What is democracy? Why democracy.
Or*
- * *Constitutional design.*



SECTION –B (ECONOMICS)

- * *Story of Palampur
Or*
- * *People as a resource ‘Human Capital’.*



SECTION – C (GEOGRAPHY)

- * *India size & Location.
Or*
- * *Physical feature of India.*



SECTION – D (HISTORY)

- * *Prepare a PPT on the topic of:*
 - *Nazism & Rise of Hitler*
 - Or*
 - *French Revolution*

Note:

1. *Fair copies will be checked after Summer Vacation.*
2. *2-2 chapters from each subject should be completed with exercise.
(History, Geography, Civics and Economics)*
3. *The marks of this assignment will be added to the Final Exam. as per CBSE guidelines.*

SCIENCE

PHYSICS

1. *Consult the railway time table. Prepare a list of different trains running on the Golden Quadrilateral of India Railway (that is, New Delhi- Howrah, Howrah - Chennai, Chennai- Mumbai and Mumbai- New Delhi routes). Calculate the average speeds of various trains running on these routes and arrange the trains in the descending order of their average speeds.*

CHEMISTRY

2. *Closely observe and analyse and then list the things around you as solids, liquids and gases. Report the survey in the following format :*
 - (i) Aim (ii) Introduction (iii) Method used to analyse
 - (iv) Observations (v) Conclusion

BIOLOGY

3. *Study the following and complete your findings in the form of a report :*
 - (i) *Microscope- from Hooke’s crude microscope to present day electron microscope.*

Collect the information from books, magazines or internet and present them in the form of article along with illustrations to support the written work.

 - (ii) *Contribution made by various scientists in the field of Cell Biology.*

ENGLISH

Note :- Make a separate copy for vacation assignment. Write all questions also in your copy.

- Q.1 Make all diary entries given below in your English – I copy.
- You, Shivam witnessed a bank robbery in your locality. You were quick to react and saved the day. Taking ideas from the clues given below, write a diary entry in about 100-120 words.
- Hints - Went near the bank for some work – no guard at the gate – robbers in the banj – used presence of mind and called the police – robbers got caught
- Write a diary entry on how you felt when you were elected as the Vice President of the students council of your school. You are Ajay/Anvita of Class IX. You may take the help of the clues given below (100-120 words)

Hints – Elections of the students’ council – motivated to take part – helped by friends and teachers – elated after winning – sense of responsibility

- You went to zoo today and saw a tiger for the very first time. However, someone jumped into the enclosure and was killed by the tiger before anyone could do anything. Taking ideas from the following clues, write diary entry in about 100-120 words describing your feelings.

Clues – First visit to the zoo -shocked to see a man in the tiger enclosure –the tiger killed the man – no security -regret and anger over the mishap

- You are Apoorva/Aisha. Your dad didn’t allow you to go on a school tour as he wants you to study for the upcoming examinations. You are very upset. Write your feelings in the form of a diary entry in about 120 words.
- Your summer vacation is about to over. You are still not done with your holiday homework. Thinking about the scolding that you will get has filled you with anxiety. Write your feelings in the form of a diary entry in about 120 words.

Q.2 Write a creative story that begins with -

After the accident, she seemed to be a completely different person

Q.3 Sunil is an over-ambitious boy. He wants to be a film hero. But he doesn’t get any appropriate role in the films. He approached several production houses and met directors but couldn’t succeed. Depression and stress overpower him. One fine morning he meets a man who _____
Complete the story in 150 words.

1. Develop a story in 150-200 words with the following beginning:

“Whenever John goes to Uncle Sam’s house, he feels something different. He feels Nail, Uncle Sam’s son, has some supernatural powers. Whenever he is around.....”

2. Write a story with the help of the given hints in 150-200 words. Also give a suitable title.

Seema-working as maid-eager to go to school-unable to do so-family responsibilities-I lent a hand to support-soon pass high school high exam- can teach her own children now life changed.

3. Complete the story in 150-200 words, giving a suitable heading to it.

“It was a rainy day, and I was all alone at home. It was pitch dark outside. Suddenly I heard someone knocking at my door.....”

4. Complete the story in 150-200 words with an appropriate title.

“Sunil is an over-ambitious boy. He wants to be a film hero. But he doesn’t get appropriate roles in films. He approached several production houses and met directors but couldn’t succeed. Depression and stress overpower him. One fine morning he meets a man who.....”

5. While on a picnic outside your town, you stumble upon a deserted house. It is locally famous as a haunted house and people avoid visiting it even in board daylight. However, the thrill of adventure inspires you and your friends to explore the mystery of the hunted house. Write a story in 150-200 words describing what you discovered and how you and your friends reacted to the situation.

6. Complete the story in 150-200 words:

“Two friends were passing through a dense forest. Suddenly they heard some animal screaming.....”

7. Write a story using the hints given below:

Visit to your friend’s house- take shortcut to home-path through jungle-palms were sweating- suddenly followed by a ghost-need help-story told by ghost about her accident- screamed-went back to friend’s house-fever for three days-unforgettable experiences.

8. Where did she disappear? What happened to her? What was the real story behind it? Imagine and write a story in 150-200 words.

You were in the market-came across an old woman begging- took pity on her and gave her money-also thought of taking her to a nearby restaurant- you turned back -did not find her?

9. Write a story in 150-200 words beginning with the following line and give it a suitable title.

"I was walking alone near the sea beach when I suddenly heard somebody screaming from the pine bushes....."

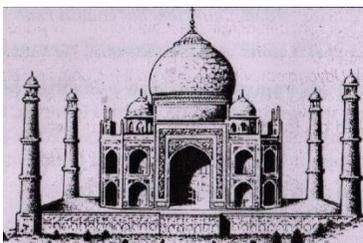
10. Using the clues given below, write an interesting story in 150-200 words.

My knack for giving speeches-zonal speech competition-participated-best-received prestigious award- parents formed a part of the audience.

- (i). Write a descriptive paragraph based on the visual clue given below.



- (ii). Write a descriptive paragraph based on the visual clue given below.



- (iii). Write a descriptive paragraph on a tree plantation drive organized in your school on World Environment Day based on the clues given below.

Tree plantation drive-organized in coordination with an NGO-inaugurated by a noted environmentalist-every student planted sapling-teachers and principal also participated.

4. Write a descriptive paragraph on Stephen Hawking based on the clues given below.

Well known cosmologist and author-born in Oxford. England very talented-studied physics at Oxford-known for his research on origin of the universe and books.

5. Write a descriptive paragraph on a visit to a railway station based on the visual clue given below:



FIT

1. (Project) Survey your school and find out how many and what types of computers are being used in your school. Try to figure out their different usages.
2. A presentation should be made on the latest development in the applications of MICR, OCR, OMR and Barcode reader.
3. A presentation should be made on the latest development of different types of Microprocessor with the help of internet.