

CLASS - IX B
Holiday Homework

IX B

English :-

1. Read and write the question and answer of chapter - 1 Reader.
2. Write articles on the given topic - 'Value of Computer and Internet', 'Importance of classroom Education'
3. Write two short stories in about 200-250 words.
4. Write the literary devices in English copy.

Project :-

Write about the poets - William Wordsworth, W.B Yeats, Robert Frost, about their life, writing style and one poem of each with explanation.

Physics :- ^{Write} All intext question and full exercise in the notebook of the ^ chapter 'Motion'.

हिन्दी :-

1. उपसर्ग जोड़कर 20 शब्द बनाना।
2. प्रत्यय जोड़कर 20 नए शब्द लिखना।
3. दो औपचारिक ; दो अनौपचारिक पत्र लिखना।
4. कोई भी पाँच निबंध लिखना।

द्वितीज -

1. सार्वियों और सबद पाठ का भावार्थ लिखना।
2. पदार् गार सभी पाठों का प्रश्नोत्तर लिखना।
3. दो गद्यंश और दो पद्यंश लिखकर प्रत्येक से पाँच-पाँच प्रश्नोत्तर लिखना।

Odia :-

1. କାହାଣୀରୁ ଯଥାଶ୍ଚ ବର୍ଣ୍ଣନା - ପ୍ରଶ୍ନ ୧ ଓ ୨
2. ଜାତୀୟ ଜୀବନ - ପ୍ରଶ୍ନ ୧ ଓ ୨

ଉତ୍ତର। (କ) ଚରିତ୍ରଣା ଉତ୍ତର
(ଖ) ଉତ୍ତର ଉତ୍ତର
(ଗ) ଉତ୍ତର ଜୀବନ ଉତ୍ତର

History / Civics :-

History - Write and learn the answers of chapter - 1
Write and learn the answers of Exercise of chapter - 1.
Write and learn the key words.

Geography :-

1. Practice the map work of chapter - 1
2. Learn the notes from chapter - 1 and chapter - 2 completely.

3. Do the exercise work of chapter - 1, if completed then learn it.

Economics :-

Learn and write question answer of Economics notebook (chapter 1)
[The Story of Village Palampur]

Biology -

1) Learn and complete the intext exercise of chapter - 1 (The Fundamental Unit of Life)

2) Practice the animal cell and plant cell

Physics :-

1. Do all the examples and Intext questions upto Page 109.

2. Write the notes till taught in the class.

Chemistry :-

1. Differentiate between solid, liquid and gases (any eight properties)

2. Write intext questions and activities from 1.1 to activities 1.10.

IT :-

All the assignments of Basic ICT skill upto page no. 96.

Mathematics :-

1. Find value of $\sqrt[3]{216} - \sqrt[3]{245}$

2. Find value of $\frac{\sqrt{32}}{\sqrt{8}} + \frac{\sqrt{48}}{\sqrt{12}}$

3. Represent 3.765 on number line.

4. Simplify :- (i) $\{5(8\frac{1}{3} + 27\frac{1}{3})\}^{\frac{1}{4}}$

(ii) $12\sqrt{8} - 6\sqrt{20} - 3\sqrt{50} + 8\sqrt{45}$

(iii) $\frac{\sqrt[3]{2} \times 4^{\frac{3}{2}}}{128^{\frac{1}{3}}}$

5. If $x = 3 - 2\sqrt{2}$, Find $\sqrt{x} + \frac{1}{\sqrt{x}}$

6. Represent $\sqrt{7}$ and $1 + \sqrt{3}$ on number line.

7. Express in $\frac{p}{q}$ form - (i) $4.\overline{32}$ (ii) $5.\overline{712}$ (iii) $5.\overline{347}$

8. Represent $\sqrt{8.5}$ on number line.

9. If $a = \frac{3 - \sqrt{5}}{3 + \sqrt{5}}$ and $b = \frac{3 + \sqrt{5}}{3 - \sqrt{5}}$, Find $a^2 - b^2$

10. $\frac{7 + \sqrt{5}}{7 - \sqrt{5}} - \frac{7 - \sqrt{5}}{7 + \sqrt{5}} = a + \frac{7}{11}\sqrt{5}b$. Find a and b

11. Write the types of polynomial and their degree in tabular form.
12. (i) Find value of k , if $(x-1)$ is a factor of $P(x) = 4x^3 + 3x^2 - 4x + k$
 (ii) Find value of P for which $x+P$ is a factor of $x^2 + Px + 3 - P$
13. If $x + \frac{1}{x} = 3$, find $x^2 + \frac{1}{x^2}$
14. Find value of a if $x-1$ is a factor of $2x^2 + ax + \sqrt{2}$
15. Factorise:-
 (i) $7\sqrt{2}x^2 + 10x + 4\sqrt{2}$
 (ii) $9x^2 + 6xy + y^2$
 (iii) $x^3 + 13x^2 + 31x - 45$
 (iv) $x^2 - \frac{y^2}{100}$
 (v) $4x^3 + 20x^2 + 33x + 18$
16. Verify :- $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x+y+z)[(x-y)^2 + (y-z)^2 + (z-x)^2]$
17. Factorise:- (i) $4x^2 + \frac{1}{4x^2} - 49y^2 + 2$
 (ii) $x^4 - 7x^3 + 9x^2 + 7x - 10$
 (iii) $18x^3 - 33x^2 + 2x + 5$
18. Factorise using factor theorem -
 $y^2 - 5y + 6$ and $x^3 - 3x^2 + 4x - 4$