

MILESTONE ACADEMY
VACATION HOMEWORK

CLASS – X

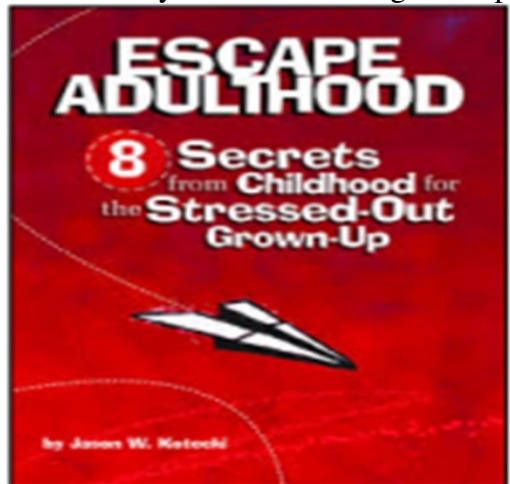
Date of submission :-29.10.25

ENGLISH :-

1. Look at the given image of a book cover.

If the author, Jason Kotecki were to ask a grown-up Amanda to help with his book by writing one of the 8 secrets based on her experiences, what might she share?

Elaborate based on your understanding of the poem.(100-120)



2. The People's Collective for Endangered Species has invited the narrator of "Mijbil the Otter" as a guest speaker to address the audience about the importance of protecting Otters and their natural habitats like lakes and ponds.

As the narrator, pen down a speech detailing your own experience with Mijbil and why it is important to conserve water bodies for animals like Otters.

You may use the prompt given below.(100-120 words)

My Experiences with Mijbil

HINDI :-

1. समास की उदाहरण सहित तालिका बनाए।
2. किसी एक विषय पर अनुच्छेद लेखन लिखिए ।

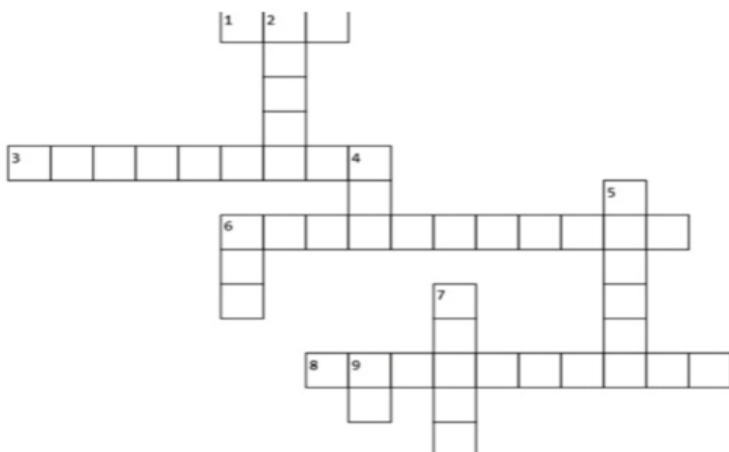
क मेरे छोटे-छोटे सपने
ख भारतीय कानून
ग मोटा अनाज

SANSKRIT:-

1. सभी पाठकों के 20 शब्दार्थ।
2. संधि, समास, प्रत्यय के 20 शब्द लिखें।
3. 20 अव्यय अर्थ सहित लिखें।

MATHS :-

Q.1. Cross word puzzle:-



ACROSS

1. The _____ of 6,72 and 120 is 6 .
3. There are two methods of solving a linear equation in two variable 1) Algebraic Method.. 2) _____ Method
6. If the prime factorisation of the denominator of a rational number is expressed in the form of $2^m.5^n$ then the decimal expansion of the rational number will be _____.
8. If the graph of a pair of linear equations in two variables are coinciding lines, then it has _____ many solution.
Down
2. A polynomial of degree 3 is called _____ Polynomial.
4. The _____ of 96 & 404 is 9696
5. If the graph of a pair of linear equations in two variables intersect at a point, then it has _____ solution.
6. A Quadratic polynomial has _____ Zeroes.
7. Fundamental theorem of arithmetic states that every composite number can be expressed as a product of _____ numbers and this factorisation is unique apart from the order in which it occurs.
8. If the graph of a pair of linear equations in two variables are parallel lines, then it has _____ solution.

SCIENCE:-

Q1. Make following Well Labeled Diagrams in Class Work Copy (Ref: Ch.08):

1. Fission in Amoeba
2. Regeneration in Planaria
3. Fragmentation in Hydra
4. Vegetative Reproduction in Bryophyllum Leaf
5. Multiple Fission in Plasmodium

Q2. Explain the formation of the following Ionic compounds -

- a) NaCl. b) CaCl_2 . c) MgO

Q3. Calculate the electrical consumption of your House in the month of September.

SOCIAL SCIENCE:-

1. Give the interconnection of Globalisation with reference to L3- The Making of a Global World (History) and L 4- Globalisation (Economics) by using following hints in the project sheets:-

1. Economy
2. Food
3. Religion
4. Culture
5. Disease

2. Map pointing -on the political map of Indian Locate & Label the following:-

1. Bellary Iron ore mines
2. Kudremukh mines
3. Raniganj Coal mines
4. Neyveli coal mines
5. Digboi oil field
6. Namrup Power plant
7. Kakrapar Nuclear plant
8. Narora Nuclear plant

IT:-

School Management System (Soft copy will be provided)