



**MILESTONE ACADEMY**  
**VACATION HOME- WORK**  
**CLASS -X**

**SUBMISSION DATE : -16.06.2026**

**ENGLISH :-**

1. Highlight the importance of proper garbage disposal with an aim to create awareness among the city residents. Write a letter regarding the same to the editor of a local daily Hindustan Times. You are Rubal of Shakti Nagar, Delhi. (100-150 words)
2. You are Neena / Navin, a student of Max Public School, Mumbai. You are concerned about the lack of awareness around animal rights. Write a letter to the editor about the need to raise awareness about animal rights among the public. (100-150 words)
3. **Being innovation with Grammar:-**  
How to do : Create you own Tense Chart – all Tense with structure and examples of each.  
Where to do : A -4 size sheets.  
Parameters : Presentation , Accuracy Content.

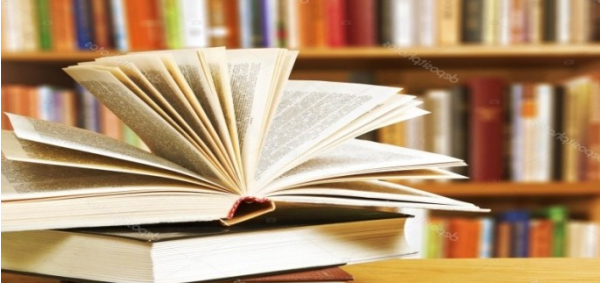
**HINDI:-**

प्र.1 लगभग 200 मुहावरों की तालिका बनाएँ।

प्र.2 समास किसे कहते हैं? समास के सभी प्रकारों के 20&20 उदाहरण लिखकर तालिका **cuk,saA**

प्र.3 शिक्षा रटंत विद्या नहीं।

पढ़ाई समझ कर या रटकर किस प्रकार से की जानी चाहिए इसके पक्ष या विपक्ष में एक लेख तैयार कीजिए ।



**Sanskrit :**

1. चित्रात्मक वर्णनम् - 5
2. व्यंजन संधि के 10 उदाहरण लिखें।
3. यण् - अयादि और पूर्वरूप संधि के 10-10 उदाहरण
4. प्रत्यय (क्त्वा, तुमुन्, ल्यप्) के 10-10 उदाहरण।
5. " किम् " का शब्दरूप (तीनों लिंग में )
6. भाषान्तरम् - 10 वाक्य।

**MATHS :**

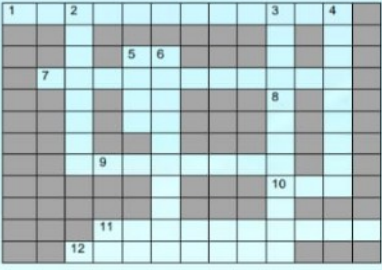
1. Solve the puzzle:

$$\begin{array}{l} \text{Apple} \times \text{Apple} \times \text{Apple} = 27 \\ \text{Apple} \times \text{Lemon} \times \text{Lemon} \times \text{Lemon} = 24 \\ \text{Apple} \times \text{Lemon} \times \text{Orange} \times \text{Orange} = 96 \\ \text{Orange} + \text{Apple} \times \text{Lemon} = ? \end{array}$$

2. The sum of the lives of the two electric lamps one CFL and other ordinary lamp is 10 years. The product of these two lamps is 26 years. Is this situation possible, if so determine their lives? Keeping 'Save Energy' in mind which type of the lamp one should prefer?

3. Solve the following puzzle.

**Objective :** To play with crossword puzzle using Mathematical terms :

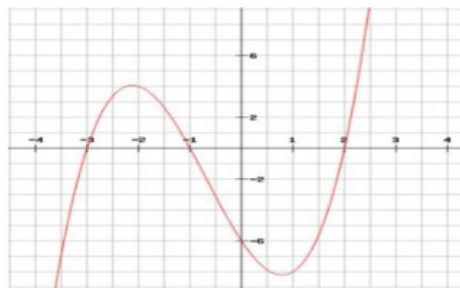


**Directions :-**

ACROSS →	DOWN ↓
1. The measure of uncertainty is called _____.	2. The distance of a point from x-axis is called its _____.
7. The line drawn from the eye of an observer to the point in the object viewed by the observer is called _____.	3. A quadratic equation $ax^2 + bx + c = 0$ has _____ equal roots, if $b^2 - 4ac = 0$ .
9. The common point of a tangent and circle is called point of _____.	4. Vertical cross section of a right circular cylinder is always a _____.
10. A tangent to a circle intersects it in _____ point(s).	5. The probability of impossible event is _____.
11. The mathematical instrument which is used for measuring the angle of elevation depression of an object is called _____.	6. Two or more circles having same centre is called _____.
12. The distance of a point from y-axis is called its _____.	8. Part of the circular region enclosed between two radii and corresponding arc is called _____.

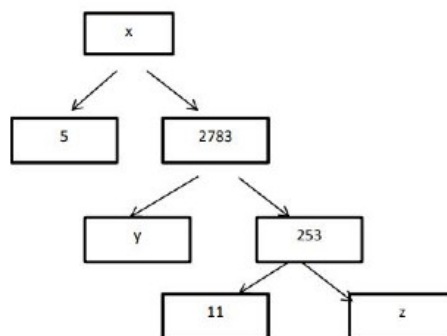
**Where to do:** 2, A4 size sheets.  
**Parameters:**  
 (i) Accuracy  
 (ii) Presentation

4. To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections section A and section B of grade X. There are 32 students in section A and 36 students in section B. What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B
5. Observe the following graph and answer:-



In the above graph, how many zeroes are there for the polynomial?

6. A seminar is being conducted by an Educational Organisation, where the participants will be educators of different subjects. The number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively. In each room the same number of participants are to be seated and all of them being in the same subject (hence maximum number participants that can be accommodated in each room).
7. A Mathematics Exhibition is being conducted in your School and one of your friend is making a model factor tree. He has some difficulty and asks for your help in completing a quiz for the audience. Observe the following factor tree and find value



**PHYSICS :-**

- Q 1 Draw ray diagrams for the images obtained by concave mirrors, keeping the object at various positions .
- Q.2 Perform an activity and make a video which shows refraction of light.
- Q.3 Write an activity which shows that light travels in a straight line.

**CHEMISTRY :-**

- 1. To Prepare a Write up for the Chemical reactions taking place in daily life in Power Point. Or prepare it in file (projects)

**BIOLOGY :-**

**Evolution :** Acquired and Inherited Traits, Speciation, Evolution and Classification, Tracing Evolutionary Relationships, Fossils, Evolution by Stages, Human Evolution.

**GUIDELINES for PROJECT PREPARATION**

- 1. Title : Evolution
- 2. Front Page : Format Suggested at last
- 3. Index : Contents (index) Headings along with Page Number
- 4. Way of Presentation : Hand Written, Error less with legitimate Hand Writing, Quality Contents, Creative & Colorful, Allowed to Paste Related Pictures / Graphs/ Diagrams etc.
- 5. No. of Pages (tentative) : 5 - 10 sheets (excluding Front Page) of quality papers A4 size
- 6. Way of Submission : In the form of Project File / Strip File

**SOCIAL SCIENCE :-**

**Instructions:-**

All activity will be done in Project sheets.

- 1. Solve the following.

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Page: \_\_\_\_\_

## Nationalism in India

**Across**

6. Leader of the Independence movement

8. The act that allowed the government to jail protesters with out trial.

9. What made Indians want to go into nationalism ?

10. What was the name of one of the two groups formed to rid Indian of foreign rule ?

**Down**

1. What act that gave Indians semi independence ?

2. Killing of nearly 400 Indians by British government, for protesting.

3. the deloborate and public refusal to obey an unjust law, and nonviolence as the means to achieve independence, is?

4. to refuse to buy British goods

5. Protests often led to....?

7. A peaceful protest where they began to make their own salt.

**Word Bank**

Rowlatt Acts	Amristar Massacre	Mohandas Gandhi
civil disobedience	Salt March	Boycotts
World War I	The Muslim League	riots
The government of India Act		

- 2. **History** – Create a concept map on the Chapter- “Age of Industrialisation” (History L – 4)
- 3. Write a research report on any one of the International Organisations and their Functions, Headquarters and head of the states from the list :

**Here is a list of top international organizations and their functions, headquarters and head of states.**



- United Nations Organization (UN)
- United Nations Children's Fund (UNICEF)
- World Health Organization (WHO)
- World Economic Forum.
- International Monetary Fund (IMF)
- World Bank.
- World Trade Organization.

5. Project on "Consumer Awareness". (Economics - Chapter – 5)

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**IT**

Dear students,

Complete your practical copy from PDF pages 1 to 22. All steps should be handwritten. Take a printout of the output and paste it with every solution.

**AI**

Dear students,

Complete your practical copy from PDF All programs should be handwritten. Take a printout of the output and paste it with every program.