



GD GOENKA INTERNATIONAL SCHOOL ROHTAK

Holiday Homework class-10th

ENGLISH-

Make a poster with a strong message on any of the following topics-
Save the girl child, Stop violence against women, Save Water.

Prepare a PPT on Vikram Seth.

Read the famous book -Little women by Louisa Maicott. or any story book of your choice.

Write a short summary of the story you have read and describe main character of the story.

Revise Determiners, Modals

HINDI-

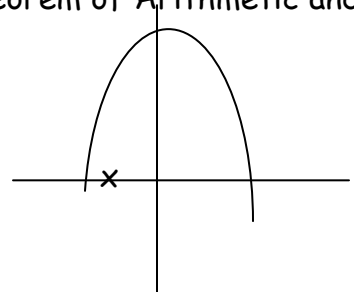
Make the PPT on any two poets.

MATHEMATICS

✓ Prepare a chart for all the trigonometric identities.

✓ Do all given questions on A-4 size white papers.

1. State Euclid division lemma.
2. Find the HCF of 105 and 245 by Euclid division algorithm.
3. Express 296 as a product of its primes
4. Find the HCF and LCM of 75 and 160 by Fundamental theorem of Arithmetic and verify $LCM \times HCF = \text{product of two numbers}$
5. If HCF of 30 and 45 is 15. Find the LCM.
6. Prove $5 + 2\sqrt{3}$ is irrational
7. Check whether $17/210$ is terminating or non-terminating.
8. Find the zeros and verify the relation between zeros and coefficients of (i) $x^2 + 11x + 30$ (ii) $x^2 - 9$
9. Find the number of zeros of x' in fig (i)
10. Find a quadratic polynomial whose sum and product of zeros are $1/3$ and $-1/3$
11. Divide $3x^2 - x^3 - 3x + 5$ by $x - 1 - x^2$ and verify the division algorithm
12. On dividing $2x^3 + 4x^2 + 5x + 7$ by $g(x)$ the quotient and remainder are $2x$ and $7 - 5x$ respectively. Find $g(x)$
13. If $\tan A = \frac{1}{2}$, then prove that $\frac{1}{2} \sin A \cos A = 1/5$



fig

14. If $\sin(A + B) = \sqrt{3}/2$ and $\cos(A - B) = 1$. find A and B
15. Evaluate: $\frac{\tan 260^\circ + 4 \cos 245^\circ + 3 \sec 230^\circ + 5 \cos 290^\circ}{\operatorname{Cosec} 30^\circ + \sec 60^\circ - \cot 230^\circ}$
16. If $A+B = 90^\circ$ and $\sec A = 4/3$ find cosec B
17. Evaluate: (i) $\sin 239^\circ + \sin 251^\circ + \sec 227^\circ - \cot 263^\circ + \tan 5^\circ \tan 25^\circ \tan 45^\circ \tan 65^\circ \tan 85^\circ$
18. Find A if $\sin (A + 36^\circ) = \cos A$
19. A, B and C are the angles of a triangle. Prove that $\left(\frac{\sec A}{2} \right) \frac{B+C}{2} = \frac{\operatorname{cosec} A}{2}$.

SCIENCE

Chemistry-

1. Make PPT of lesson chemical reaction and equation.
2. Write and learn periodic table with details of atomic no, atomic mass, electronic configuration and valency (1-30).
3. Revise the lesson and make the chart of periodic table.

Biology-

1. Make the PPT of digestive system and respiratory system in human being.
2. Make a chart neat and clean about life processes.
3. Write and learn each and every extra question from lesson life processes.



Physics-

Make a working model on any topic of science or make PPT on ch-13.

Find the power of five appliances used in your house and calculate the amount of energy consumed by them in 10 days.

SOCIAL SCIENCE

Role of Govt. / Non-Government functionaries of your locality, in Disaster Management.

- Identify one issue in your locality that can cause hazard for your locality.
- Interview any two of the Govt. /Non-Government functionaries in your locality on their role in
 - Disaster Management.
 - Senior District Magistrate

- Additional District Magistrate
 - Sarpanch / MP / MLA
 - Head of any NGO working in your locality - dealing in Disaster Management
 - Police inspector, Superintendent of Police
 - Civil Defense Warden/elected representatives
 - Home guard personnel
 - NCC Commandant in the school
 - Deputy Commissioner of Municipality
 - School Principal
- **Carry out a survey** by enquiring from at least 20 persons from different walks of life in your locality on the hazards prevalent, and preventive measures they have taken or would like to take to reduce the impact.
 - Such as shopkeepers, housewives, senior citizens, college students, etc.
 - **Prepare a Survey report** highlighting the areas where awareness is needed and the local resources available in the locality to create awareness.
 - Prepare a complete file to keep these records and on the basis of this resource you prepare one or two Poster to show the all information and mass awareness.
 - Write a slogan to spread awareness among the people.
 - **Dead line: 7th July 2017, Friday. After dead line no one will be entertained.**

English Speaking

1. **100 newspaper** words with Example sentences. Use them in your general conversation.
2. A simple conversation between two newspaper readers on a live channel about...
 - a) Money demonetization.
 - b) Wild life conservation.
 - c) G.S.T taxing system.