

Holiday Homework

Class 10th

Subject :- SCIENCE

PHYSICS/CHEMISTRY

1. Learn and write 2 question/answers of chapters "Light" & "Chemical Reactions and Equations" daily in separate notebook.

Projects

1. Draw colourful Modern Periodic Table or Long form of the Periodic table on a chart or thermocool.
2. Make a free electric generator by using potato, salt and water.
3. Draw 6 figures on a chart formed by concave mirror or convex lens with their positions, size & nature.

Holidays Homework of

BIOLOGY

1. All students will pick one topic from Biology and make a model/ Chart on it.
2. Learn and write about the Life Processes and write at least 150 words on each process.
3. Choose a topic from Chapter 1 to demonstrate a lecture on it. Explain your topic with the help of pictures/ diagrams.
4. Revise the Syllabus done in the class.



Holidays Homework

Sub: Maths

Class - 10th

1. Decompose 32760 into prime factors.
2. Find H.C.F. of 26 and 91 by prime factorization method.
3. H.C.F of two numbers is 13 and their L.C.M. is 182 and one number is 26, find the other number.
4. Find prime factorization of 3825.
5. If b is a factor of a, find H.C.F. of a & b.
6. Find L.C.M. of a and b, if $ab = 1800$ and H.C.F. of a, b = 15.
7. Prove that $6 + \sqrt{2}$ is irrational.
8. Prove that $3 - \sqrt{5}$ is irrational.
9. Examine if $\frac{31}{(2\overline{6}2)(5\overline{6}2)\overline{6}6}$ is terminating decimal.
10. Prove that $\frac{11}{30}$ is non - terminating repeating decimal.
11. If $x = -a$ is a root of $x^2 + 3ax + k = 0$, find k.
12. Is $x^2 + 2\sqrt{x} - 3 = 0$ a quadratic equation?
13. Use factor method to find roots of $x^2 + 2\sqrt{2}x - 6 = 0$.
14. Solve $x + \frac{1}{x} = 2$.
15. Solve $x^2 + 2x - 4 = 0$ by the method of completing square.
16. Find k so that $x = 2$ is a root of $3x^2 - kx - 2 = 0$.
17. Prove that $2x^2 - 4x + 3 = 0$ has no real roots.
18. Find the sum of roots and product of roots for $2x^2 - 5x - 4 = 0$.
19. Solve by the method of completing squares the equation $4x^2 - 11x + 6 = 0$.
20. Solve by using quadratic formula: $x^2 - 4ax + 4a^2 - b^2 = 0$

• Project work

- All trigonometric formula and identities
- surface area volume of cylinder, cone, sphere and hemisphere.

Revise all the chapters done in the class.

डी. बी. एन (10+2) विद्या मन्दिर, मुबारक भण्डी, जम्मू

DATE

श्रीमकालीन अवकाश गृहकार्य

विषय - हिन्दी

कक्षा - दसवीं

- * हिन्दी 'ए' ⇒ पाठ-5 'नारी श्रृंगार', पाठ-6 'कैकेयी का अनुताप' का पठन करें तथा लघु सश्नोत्तर, सार और प्रसंग-व्याख्या अपनी कार्य-पुस्तक में लिखें।
- कक्षा में करवाएं गए संपूर्ण कार्य को याद करें।

- * हिन्दी 'बी' ⇒ निबंध ⇒ 1) शिक्षा में खेल-कूद का महत्त्व (2) देहज तथा (3) प्लास्टिक युक्त भारत (4) मेरे जीवन का लक्ष्य (5) मंहगाई की समस्या (6) परीक्षा प्रणाली और नकल की समस्या

- प्रार्थना पत्र/पत्र ⇒ 1) बीमारी के कारण परीक्षा न दे सकने पर प्रधानाचार्य को पत्रिका अवकाश के लिए आवेदन पत्र लिखिए।
- 2) गत दिनों से आपके क्षेत्र में अपराध बढ़ने लगे हैं। उसकी रोकथाम के लिए आनाथ्यज्ञ को पत्र लिखिए।
- 3) प्रमाण-पत्र के लिए अपनी प्रधानाचार्य को प्रार्थना पत्र लिखिए।
- 4) समय का महत्त्व बताते हुए अपने दोस्त भाई को पत्र लिखिए।

- व्याकरण ⇒ 20 संधि, 20 संधि विच्छेद, 30 समास विग्रह, 20 पदबंध, 30 पर्यायवाची शब्द।

- * परिचयना कार्य ⇒ प्रतिदिन मानक देवनागरी वर्णमाला के क्रमानुसार पाँच वर्ण के पाँच-पाँच शब्दार्थ लिखते हुए हिन्दी शब्दकोष तैयार कीजिए।

D.B.N.(10+2) VIDYA MANDIR, MUBARAK MANDI, JAMMU

SUMMER HOLIDAY HOMEWORK CLASS - 10th



DO THE FOLLOWING TASKS IN YOUR ENGLISH NOTEBOOK:

1. Describe any one of the following proverbs in your own words. You should also add pictures to make it creative:

The pen is mightier than the sword

Or

All is well that ends well

2. Create your own diary in which you will write daily about one positive change which you will bring in

yourself like being organised or being punctual, etc. (Format of ^{ja}Diary Entry)

3. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills.

4. Smartphone is one of the most important means of communication today. But it has also become a nuisance for some. Write an article on the same in around 150 words.

5. Gather all the information you can on the Child Activist 'Greta Thunberg'.

6. Read and write the question and answers of the play 'The Proposal'.

HAVE FUN!

ENJOY YOUR HOLIDAYS!

HOLIDAYS HOMEWORK FOR CLASS- X

SUBJECT – S.ST

- 1. Write a project on water crisis in India, Water Management and Rain Water Harvesting (Add suitable pictures)**
- 2. Paste map on scrap book of:-**
 - I Himalayan Rivers**
 - II Major Rice Producing Areas**
 - III Major Wheat Producing Areas**
 - IV Major Industrial Region**
 - V Distribution of Coal and Petroleum**
- 3. Project on any one Natural Disaster with relevant pictures**
- 4. Revise all the syllabus done in the class**