



UDAYA PUBLIC SCHOOL
Class 9th Winter Holiday Homework
Subject:- S.St

Common Question

Correct photographs of typical rural houses and clothing of people from different regions of India. Examine whether they reflect any relationship with the climatic condition and relief of the area.

Love House :- On an outline political map of India , Identify rivers-

1. Himalayan river system
2. Peninsular river system
3. Lakes

Zeal:- On an outline political map of India ,identify

1. Mountain Ranges
2. Mountain Peaks
3. Plateau
4. Coastal Plains

Hope On an outline political map of India ,Identify

1. The state having highest and lowest sex ratio.
2. The state having highest and lowest density of population .
3. Largest and Smallest state according to area

Unity On an Outline map of India ,Identify

1. National Parks of India
2. Famous Birds Sanctuaries



CLASS IX HOLIDAY HOMEWORK 2019-20

Class 9th Winter Holiday Homework
Subject:- FIT

COMMON QUESTION :- Write at Least 10 programs using Python programming

HOPE :- Draw any five input devices and output devices on chart paper and create a mark sheet making program in MS excel and write it on the A4 sheet paper.

UNITY:- Write name, explanation about five super computers.

LOVE :- Give your complete explanation about artificial intelligence, why artificial intelligence is required in today's world.

ZEAL: - Draw Network Concept on chart paper, create a payroll management system program in MS Excel and write it on A4 sheet paper.



UDAYA PUBLIC SCHOOL
Class 9th Winter Holiday Homework
Subject:-Science

Note : - Common Question : Solve at least two sample paper in your notebook.

LOVE HOUSE

Phy : What is meant by inertia ? What are the different types of inertia ? Give two example in each case.

Chem : Explain Rutherford's Alpha particles scattering experiment with diagram and observation.

Bio : Describe an activity to explain the effect of the flowing water on the top soil and write your conclusions.

UNITY HOUSE

Phy : Describe Newton's Law with derivation and examples of each. Describe an activity to prove each law.

Chem: Classify the different types of pure substances, differentiate them on the basis of their chemical properties giving examples of each.

Bio : Write down following animals and plants name in many language and write their scientific names also

- Tiger
- Peacock
- Ant
- Neem
- Lotus
- Potato

HOPE HOUSE

Phy : (A) Define momentum. Write its SI Unit

(B) How much momentum will an object of mass 5 kg transfer to the floor, if it falls from a height of 5m ($g = 10\text{m/sec}^2$)

(C) Explain how a Karate player can break a pile of tiles with single blow of a hand.

Chem : Which separation techniques you will apply for the separation and describe the techniques of separation.

- (1) Oil from Water
- (2) Camphor from Sand
- (3) Sodium Chloride from its solution in water
- (4) Metal piece from engine oil of car
- (5) Cream from milk

Bio : Conduct a survey in your neighbourhood to find out what are the three most common diseases. Suggest three steps that could be taken by your local authorities to bring down the incident of these diseases.

ZEAL HOUSE

Phy : Describe work energy theorem and law of conservation of energy at different points when an object falls freely under gravity.

Chem : Describe the discovery of electron, proton and neutron with experiments and required figures, Who discovered them, Describe briefly about them.

Bio : Describe an activity to explain the effect of the flowing water on the top soil and write your conclusions.



UDAYA PUBLIC SCHOOL
Class 9th Winter Holiday Homework
Subject:-Maths

Common Question: Solve two sample paper in your notebook.

Love House :- Perform following activity and make illustrative project file for following

1. Note frequency of 2 Wheelers ,3,4,wheelers going pass during a time interval, in front of your house gate .Find probability that any vehicle out of total vehicle you observed is wheelers.
2. Ask all students in your class to write a 3 digit no. Choose any student random What is probability that the no is divisible by 3
3. Prove theorem 10.1 to 10.12 from chapter circle .

Zeal :- Make an illustrative project file for following :-

1. Search 10 new mathematical symbols from net, books, magazines ,etc.
2. Collect information about their origin , meaning & their use in different areas of mathematics (min 1 page for 1 Symbol)

Hope:- Perform the activity and make an illustrative project -

Ask all the family members in your family to write a three digit no. Choose anyone family member at random. What is the probability the no. Written by him/her divisible by 3.

Unity Make an illustrative project file for following :

1. Collect information about bidding value of 11 players of any 3 teams of IPL(2019)
2. Find mean of bidding value for each team .
3. Find median for bidding value of each team .
4. Draw Histogram and frequency polygon to represent the bidding value of each team.



Udaya Public School

Winter Holiday Homework

Subject:-English

Common Questions

You are kashish /kailash , a strong believer in the theory that one must eat healthy food to live well. However, you are disturbed that your friends are junk food addicts. Write an article on A4 size sheet for your school magazine 'udyansh' talking about the problems of unhealthy eating, leading to various body disorders. Give a suitable title to your article. Give response in about 150 words.

Love House:- The debating society is preparing for prestigious inter-school debating competition. As student-in-charge of the debating society. Write an article on A4 size sheet in 100-150 words on the general guidelines that must be followed when speaking on the stage.

Zeal :- The music department of your school is holding its Annual Day. The school orchestra of which you are a member will be playing a welcome number for the chief Guest. Ustad Bismillah Khan. With inputs from the lesson. Write down some of the hints that the great ustad gave to member of the orchestra about learning music. Give response in about 150 words.

Unity :- You are a reporter who was sent to interview santosh Yadav after her successful climb of Mt. Everest. Write a report to be published in the feature section of your local newspaper. You may use inputs from the story to write your report. Give response in about 150 words.

Hope :- You are interested in investing in a new housing complex that promises a green lifestyle. Write an article on the need for green housing complexes. Give response in about 150 words.

