



ACADEMY

Summer Vacation Home Work – 2018-19

Class – IX

Some Assignments are given to the students to be done during holidays to keep them in touch with their studies.

Note :-

- *Do the works neatly and in a proper handwriting.
- *Parents are requested to motivate their ward to do the homework on their own. Minimum parental help should be provided.
- *Homework should be done in Holiday Homework copy.

Writing Work

Maths :- Ch.-1 Number System Ex:- 1A Q. no.- 2(1,2); 3(1,5); 4
Ex:- 1B Q. no.- 1(2,3); 2(1,8); 3(2,6) & 5
Ex:- 1D Q. no.- 8
Ex:- 1E Q. no.-2, 4 & 8
Ex:- 1F Q. no.- 2(2,8) ; 4(1,2) ; 14 & 20

Ch.-2 Polynomial Ex.- 2A Q. no.- 1(1,6), 2(1,3,5)
Ex.- 2B Q. no.- 1, 2, 8(1,2)
Ex:- 2C Q. no.- 3, 9 & 10
Ex:- 2D Q. no.- 14, 16, 18 & 20

Ch.-3 Factorisation of polynomial Ex.- 3A Q. no.- 1, 4, 7, 9, 20 & 20
Ex. – 3B Q. no.- 2, 10, 15, 26
Ex.- 3C Q. no.- 2, 10, 30, 52 & 60
Ex.- 3D Q. no.- 1(1), 3 & 7(2)
Ex. – 3E Q. no.- 1(2), 3 & 10(1)
Ex.- 3G Q. no.- 1, 7 & 22(i)

Economics :- Answer the following questions:-

- i. Why is it important to develop irrigation facilities?
- ii. Explain the drawbacks of the Green Revolution.
- iii. Explain the requirement of Production.
- iv. Write a short summary on the story of village Palampur.

Physics:- (Write and remember question answer)

1. Define Motion. What do you understand by the terms 'Uniform motion' and 'Non-uniform motion? Explain with examples.
2. What is meant by (i)Average speed , (ii)Uniform speed
3. Derive the formula:- (i) $v = u + at$, (ii) $s = ut + \frac{1}{2} at^2$, (iii) $v^2 = u^2 + 2as$
4. Distinguish between speed and velocity.

5. A ball is gently dropped from a height of 20m. If its velocity increases uniformly at the rate of 10m/s^2 , with what velocity will it strike the ground? After what time will it strike the ground?
6. Write the definition of distance and displacement.
7. Find the initial velocity of a car which is stopped in 10 sec by applying brakes. The retardation due to brakes is 2.5m/s^2 .
8. What is uniform Acceleration.
9. What is retardation or negative acceleration.
10. Write the S.I. unit of :-
 - i. Speed
 - ii. Distance
 - iii. Acceleration
 - iv. Time

Chemistry:-(Write and remember question answer)

1. Define matter with physical and chemical properties.
2. How can you say matter is made up of particles. Define it with the help of activity 1.1 from your book.
3. Write the properties states of matter (i) solid, (ii) liquid, (iii) gas
4. How does Evaporation cause cooling? Explain.
5. Why should we wear cotton clothes in summer?
6. Why do we see water droplets on the outer surface of glass containing ice-cold water?
7. How does the water kept in an earthen pot become cool during summer?
8. What is atom and molecule.
9. Define intermolecular force and intermolecular space.
10. Define diffusion with an example.

Biology:-

1. Write index question and answer of cell – The fundamental unit of life.
2. Write exercise question and answer of Cell- The fundamental unit of life.

हिन्दी :-

1. 'दो बैलो की कथा' से छाटकर पाँच मुहावरा लिखे | इन मुहावरों का वाक्य में प्रयोग करे|
2. 'इस जल प्रलय में' से शब्दार्थ लिखे| प्रश्न संख्या 12 एवं 13 का उत्तर लिखे|

English :-

1. Write 50 sentences related to tense and convert it into passive voice.
2. You are Rashmi/Rahul, the secretary of the arts club of North Delhi school. You are organizing a painting competition. Write a notice in about 80 – 100 words informing the students about the same using the hints given below:
 - Participate:- Class Vth – IXth
 - Date :- June 6, 2018
 - Time :- 10am to 1pm
 - Venue :- School auditorium
3. The following is a telephonic conversation between Manvi and Mayank's father. As he has to leave for the office, he leaves a message for his son. Write the message in about 80- 100 words.
 - Manvi : Can I speak to Mayank?

- Mayank's father : Mayank is not at home. He has gone for his dance class will be back after 5pm.
 - Manvi : Can I leave a message?
 - Mayank's father : Yes, sure.
 - Manvi : Please inform him that he has to stay back after the school tomorrow for the fest preparations. Kanav, Shruti & Kritika are staying back. My brother will pick us up at 7pm.
 - Mayank's father : I will inform him. Thank you.
4. You are Anshu/Ashu of C – 6/10, Rana pratap Bagh, Delhi. Write a letter to the editor about the insanity conditions of your locality. You may take help from the following hints.
- Place stinks :- difficult to open doors and windows
 - Open drains :- drains overflowing
 - Garbage – bins not cleared
 - Breeding place for mosquitoes – deadly diseases
5. Write all parts of speech with definition and kinds and with examples.
6. Write and remember the structure of tenses with one example.
7. Write your experience that you have received during summer vacation in 400 words.

Computer :- Ch. – 2 Q. no.- D(1), D(4), D(9), E(3)

Ch. – 1 Q. no.- E(1,2,3,4,5,10) ; F(1)

S.st.:- His.- (i) Write the causes for the French Revolution.

(ii) Draw a list of democratic rights.

(iii) How would you explain the rise of Napoleon?

Geo.- (i) Write all questions and answers from ch.- 1(India- size and location)

(ii) Distinguish between (a) converging and diverging tectonic plates, (b) western ghats and eastern ghats.

Civ.- (i) Which freedom are usually taken away when a democracy is overthrown by the military.

(ii) What is democracy? Why it is so important for the people?

Remember Work

Maths :- Learn all the definitions related to chapter 1, 2, 3.

Economics :- Learn all the Q/Ans of ch.- 1 – the story of village palampur

Physics :- Remember all the Written work

Chemistry :- Remember all the Written work

Biology :- Remember Notes of cell- the fundamental unit of life.

हिन्दी :- 'लहासा की ओर' गद्य खंड से एक से पांच प्रश्नों का उत्तर करे।

'इस जल प्रलय में' का शब्दार्थ याद करे।

Computer :- Remember all short Q. Ans. – “Answer the following questions” from chap-1 & 2.

S.St.:- Remember all the written work.

Project Work

Maths :- Draw a project on various types of Quadrilaterals, its properties with diagram.

Economics :- (i) Make a project on the farming related to the story of village Palampur.

(ii) Make a beautiful project work on the topic 'Green revolution'.

Physics :- Derive the equation of motion by graphical method.

Chemistry :- How small are particles of matter explain with the help of activity 1.2 from your book ch.- 1.

Biology :- Make a neat diagram of plant cell on a chart paper and label it.

Make a neat diagram of animal cell on a chart paper and label it.

Computer :- Ch. – 1A - create a presentation on the topic “Applications of computer”.

S.St.:- Geo.- Draw a political map of India & show rivers and mountains.

Note :-

*** Submit the holiday's homework's by 11th June.**

Time 08:00 AM to 10:00 AM