



HOLIDAY HOMEWORK FOR WINTER VACATION

Class: IX

Subject : Physics

Subject Teacher: Mr. Koushik Roy

1. Define Sound?
2. Do any activity to prove that sound can't travel in vacuum.
3. Derive 'Law of conservation of Energy'.
4. Make a flow Chart to express the flow of energy (On a A4 size paper) .

Subject : Chemistry

Subject Teacher: Mr. Koushik Roy

1. Q.1 Explain the process of discovery of electron and proton with diagram.
2. Q.2 Enlist the properties of cathode and anode rays.
3. Q.3 Explain the JJ Thomson atomic model with diagram.
4. Q.4 Describe the Rutherford alpha scattering experiment with observation and conclusions.
5. Q.5 Explain Rutherford's atomic model and its drawbacks.
6. Activity:-Write an account on the life history of any of the following scientists:-
 - A) Rutherford
 - B) JJ Thomson
 - C) Goldstein
 - D) James Chadwick
 - E) John Dalton

Subject : Biology

Subject Teacher: Mr. A. Thakur

1. Define Health.
2. What is disease?
3. What happens during a disease?
4. Differentiate between Acute and Chronic disease.
5. Write a brief note on – "IMMUNISATION".

Subject : Computer Science

Subject Teacher: Mr. Anurag Kumar Singh

- Chapter 6 (section 5) Application based questions 1 to 5 (page No. – 135) of Book "I. T Apps Foundation of Information technology" .
- Chapter 7 (section 5) Theory based questions 1 to 11 (pg.No. 153) of Book "I. T Apps Foundation of Information Technology"

Subject : English

Subject Teacher: Mrs. Rita Mishra and Mr. C. K. Jha

1. Q. No. : 3, 4 (a,b,c,d,e,f) and 5.
2. You come across a newspaper clipping regarding the reimplementing of Board Examination. Write a letter to the editor of a newspaper expressing your views and feeling.

Grammar

3. Solve exercises (from Wren and Martin) based on :-

- i. Narration. (ii). Verb forms.

विषय :- हिन्दी Sub. Teacher –Mr.C.K. Nagmani

१. चंद्र गहना कविता के कथ्य पर आधारित प्रपत्र।

- क. चंद्र गहना क्या है?
ख. देह की पतली, कमर की है लचीली कौन ?
ग. ब्याह मंडप में पधारी हैं कौन ?
घ. आज स्वर हो रहा है किसका ?
ङ. अनगढ़ चौड़ी पहाड़ियाँ कहाँ की है ?
च. देखते ही मीन चंचल, ध्यान निद्रा त्यागता है कौन ?
छ. बाँझ भूमि पर कौन से पेड़ खड़े हैं ?
ज. वनस्थली का हृदय चीरता उठता—गिरता स्वर किसका है ?
झ. सुन पड़ता है मीठा—मीठा रस टपकता है कौन ?
ञ. कवि का नाम क्या है ?

२. प्राकृतिक सौंदर्य से संबंधित चित्रों को बनाकर चार्ट पेपर पर चिपकाना है ।

३. प्रेमचंद के व्यक्तिगत जीवन के बारे में जानकारी एकत्रित कर संचिका तैयार करें।

या

हिंदी महीना के नाम के आगे अंग्रेजी महीने का नाम और उस महीने में आने वाले त्योहारों का नाम लिखें ।

विषय :- संस्कृत

१. राजन् – भवत् – आत्मन् – विदूस् – गच्छत् शब्दानां रूपाणि स्मृत्वा लिखत।
२. एक – द्वि – त्रि – चतुर – पंच शब्दानां रूपाणि स्मृत्वा लिखत।
३. भू – पृ – सेव् – नम् – नी – धातूनां लोट् – विधिलिङ् – लकारायोः रूपाणि स्मृत्वा लिखत ।

Subject : Math (Mathematics Exemplar problem)

Ex. 13.1 to 13.4 .

Subject Teacher: Principal sir

Subject : Math (R.S. Agarwal)

EX. – 9B – Q. No. 3,4,8,11,12(i), 17,18,19,20

EX. – 9C – Q. No. 2,3,5,6,9,11,12,13.

Subject Teacher: G.S. Singh

Subject : Social science

Subject Teacher: Mrs. Sonali Roy and Mrs. Priti Pandey

History

1. Write the answers of the questions given in class from the chapter “The story of cricket”.
2. Solve the exercise questions given in NCERT Book on page no. – 157.
3. Activity :
Find out the history of any one local sport. Ask your parents and grandparents how this game was played in their child. See whether it is played in the same way now.

Try and think of the historical forces that might account for the changes. (Only for History group).

Civics

1. Put your view on demonetization. (Only for Civics group).

Geography

Answer the following :-

1. Write the features of cold weather season in India.
2. Write the features of 'hot weather season' in India.
3. Define the followings –
Break of Monsoon, October Heat, El Nino, Southern oscillation, Kal baisakhi, Monsoon low pressure trough, Mango showers.
4. Difference between the following pairs:-
 - a. South West Monsoon and North East Monsoon .
 - b. Arabian Sea branch and Bay of Bengal branch of monsoon.
5. Write Questions and Answers from exercise – L. No. 4 . Page No. – 39, Q. No. 3, 8. 'Climate'
6. Lab manual – Test No. 5, 6. Page No. – 16, 17, 18, 19, 20,21.
Map skill – Page No. – 36, 37, 38, 39
(Only for geography group).
Prepare a report 'India is rich in flora and fauna'.

Economics

- Prepare a report of the condition of the groups vulnerable to the poverty in your locality. (Only for Economics group).