



HOLIDAY HOMEWORK FOR WINTER VACATION

Class: X

Subject : Physics

Subject Teacher: Mr. B.P.Yadav.

1. Prove that $m = -\frac{v}{u}$ in a concave mirror.
2. What will be nature, position and size of an image which an object is kept beyond the centre of curvature?
3. Write short notes on : -
 - a. Lateral shift.
 - b. Lateral inversion.
 - c. Aperture of a spherical mirror.
 - d. Diffraction of light.
4. Exercise (NCERT)
From Q. No. – 6 to 15.

Subject : Chemistry

- Chapter : Carbon and Compounds(H.W. 1). Page No. 77, 78, 79 (NCERT Text book)
- Chapter : How elements are classified or Periodic classification of elements. Page No. – (81, 85).

Subject : Biology

Subject Teacher: Mr. A Thakur

1. Who is called father of genetics?
2. Define the following terms :-
 - i. Genes
 - ii. Heredity
 - iii. Genetics
 - iv. Genotype
 - v. Phenotype
 - vi. Alleles
 - vii. Mutation
 - viii. Monohybrid cross
 - ix. Dihybrid cross
 - x. Variation
3. Why Mendel selected Pea plant for his hybridization experiment?

4. What are the seven pairs of contrasting characters, Mendel found in pea plant?
5. Show with results and Ratio – “Mendel’s monohybrid phenotypic parental cross.

Subject : Computer Science Subject Teacher: Mr. Anurag Kumar

- Chapter 6 (section 8) Project work Activity I – Create a website of V.V.R.S with instruction, given on the book of “I. T Apps Foundation of Information Technology” at page No. 169.
- Chapter 7 (section 6) Short answer type questions 1 to 6 of “I. T Apps Foundation of Information Technology” at (pg. no. – 187).

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

1. Unit – 13.
2. Unit – 14.

Grammar

3. Attempt the questions :-
 - i. The Rime of the Ancient Mariner part I & II
 - ii. Questions based on Act II scene I of Julius Caesar.
 - iii. Write a letter to the editor informing him about no drainage system in your locality.

विषय :- हिन्दी

Sub. Teacher : Mr.C.K. Nagmani

- ❖ ‘राम—लक्ष्मण—परशुराम संवाद’ के सभी प्रश्न अभ्यास (प्रश्नाभ्यास) लिखित रूप में।
- ❖ ‘स्त्री शिक्षा के विरोध—कुत्तकों का खंडन’ के सभी प्रश्न अभ्यास (प्रश्नाभ्यास) लिखित रूप में।
- ❖ विवाह का निमंत्रण पत्र तैयार करना । (लिखित रूप में)
- ❖ ‘जीवन में उपहारों का महत्व’— अनुच्छेद लेखन ।

विषय :- संस्कृत

Sub. Teacher : Mr.Gopal Jha

१. राजन् मणिका भाग – २ की अभ्यास संख्या – ९ एवं १० के सभी प्रश्नों के उत्तर लिखकर याद करें।

Subject: Social science Subject Teacher: Mr. M K Tiwari, Mrs. Sonali Roy

History

1. Trace the developments that led to the Unifications of Italy and Germany.
2. Why Unification in England was a long drawn out process?

Civics

3. Activity / Project

- I. Functions of political parties.

Learning objective –

- (i). To make students aware about the role of political parties.
 - (ii). To make them understand about political outcomes.
- II. Skill Developed –
 - (i). Self-awareness
 - (ii). Critical analysis.
 - (iii) Thinking skill and
 - (iv) Independent thinking skill.
 - III. Time required – 2 to 3 days.
 - IV. Assessment criteria.
 - (i). Appropriateness of the content.
 - (ii). Original and rational outlook.
 - (iii). Argument with evidences.

Economics

4. Write all questions and answers from L.N. – 3 (Money and credit)

Geography

5. Write all questions and answers from L.N. – 6 (Industry)
6. Do map work in your map skill. In the political map of India.
 - a. Locate all the cotton textile Industries.
 - b. Locate all the Iron & steel Industries.
 - c. Locate all the Software Technology ranks.

Subject: Mathematics

Refer NCERT BOOK

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|------------|---|
| 30.12.2016 | Ex- 7.1 & Ex-7.2 |
| 02.01.2017 | Ex- 7.3 QN. 2, 3, 4 & Ex-7.3 QN. 1, 2, 3 |
| 04.01.2017 | Ex-9.1 QN. 2, 4, 6,9,12,13,15,16 |
| 06.01.2017 | Ex- 10.1 QN. 2, 3, 4 & Ex- 10.2 QN. 1,2,3,11,12 |
| 08.01.2017 | Ex-11.1 QN. 1, 2, 6 & Ex- 11.2 QN. 1, 2, 4 |
| 10.01.2017 | Ex-12.1 QN. 1, 2, 3, 4, 5 , Ex-12.2 QN. 1, 2, 6, 7, 14 & Ex-12.3 QN. 4, 5, 8, 10, 5 |
| 13.01.2017 | Ex-13.1 QN. 1, 3, 7, 8, Ex-13.2 QN. 1,2,3,6,8 Ex-13.3 QN. 2,4,6,8,9 & Ex-13.4 QN. 1,2,4,5 |

Subject : Math

Subject Teacher: G.C. Singh

Refer R.S. Agarwal

EX. – 10 C – Q. No. 5,9,28,31,35,36.

EX. – 10 D – Q. No. 2,5,7,8,10,12,14,15,16,17,21,22 .

EX. – 10 E – Q. No. 14,20,26,27,29,42,44,51,56,65,71.