PM SHRI KENDRIYA VIDYALAYA CRPF BIJNAUR LUCKNOW

SUMMER VACATIONS HOLIDAY HOMEWORK 2024-2024

SUBJECT:- MATHEMATICS CLASS :- X

LAB ACTIVITY: Do the following activities using graph / color's paper in you practical Lab manual

(I) Draw the graph of a quad. Polynomial and observe :-
• The shape of curve when coefficient of X is +ve • The shape of curve when coefficient of X is -ve
• It's number of zeroes

(II) To verify the condition of consistancy/inconsistency for a system of linear equation by graphical method

PROJECT (TO BE DONE IN A FILE) Geometry in real life (In this project we try to find Situations in daily life in which geometry used efficiently) MINIMUM 10 TO 15 PAGES

ASSIGNMENT: Solve 10 questions of previous year board examination of the following chapters • REAL NUMBERS • POLYNOMIALS • LINEAR EQUATION IN TWO VARIABLES

PORTFOLIO

By- Vinay Kumar Tiwari TGT(Maths)

पीएम श्री केंद्रीय विद्यालय सीआरपीएफ बिजनौर, लखनऊ

ग्रीष्मावकाश गृहकार्य 2026-27

कक्षा: X

विषय : हिन्दी

प्रश्न 1. निम्नलिखित विषय पर अनुच्छेद लिखिए :
(क) हमारी देशभक्ति

(ख) इक्कीसवीं सदी में भारत के सामने प्रमुख चुनौतियाँ

प्रश्न 2. निम्नलिखित व्याकरण विषय बिन्दुओं के अभ्यास कीजिए

(1) रचना के आधार पर वाक्य भेद (ख) वाच्य|

प्रश्न 3.विज्ञापन लेखन कीजिए।

प्रश्न 4. सूरदास के पदों का भावार्थ बताते हुए प्रश्न अभ्यास कीजिए

प्रश्न 5. नेताजी का चश्मा पाठों के प्रतिपाद्य स्पष्ट कीजिए व इनके प्रश्न अभ्यास कीजिए।

प्रश्न 6. कृतिका भाग 2 के पाठ 'माता का आंचल का अध्ययन कीजिए |

प्रश्न 7- किसी साहित्यिक रचना (कहानी, कविता, उपन्यास) को पढ़कर उसपर टिप्पणी लिखिए।

प्रश्न 8- विद्यालय में शारीरिक रूप से चुनौतीपूर्ण विद्यार्थियो के लिए किए जाने प्रावधान को लेकर प्राचार्य को पत्र लिखिए।

प्रश्न 09. मासिक परीक्षा (अप्रैल) के पाठ्यक्रम का अभ्यास कीजिए।

सत्र 2026-27 के लिए पोर्टफोलियो तैयार कीजिए।

इंद्रमणि उपाध्याय

Class X – English

Use your holidays creatively. Read, write, observe and learn joyfully.

Instructions:

• Complete neatly in notebook/file.
• Use creativity and good handwriting.
• Submit after summer vacation.

Reading Read 4-5 chapters from English textbook and write summary weekly.
Writing Practice formal letter, article and analytical paragraph.
Grammar Revise editing, omission, reported speech and modals.
Vocabulary Learn 30 new words with meanings and usage.
Speaking Speak English daily for at least 30 minutes with family/friends.
Project Prepare project on sustainable development goals and complete portfolio of English subject.
Creative Write 1 motivational speech and poem.

KENDRIYA VIDYALAYA CRPF BIJNOUR

HOMEWORK SOCIAL SCIENCE CLASS X

1. Prepare a project on disaster consumer awareness/social issues /sustainable development as per the guidelines issued by CBSE it should cover the following headings acknowledgement, contents,preface, topic, conclusion, bibliography
2. Map of India Mark all the states and capital
3. For the ebsb project prepare a project file on Meghalaya
4. Prepare a paragraph on world environment Day June 5

5. What do you mean by liberal nationalism explain its economic and political perspective
6. Choose examples to show the contribution of culture to the growth of nationalism in Europe
7. Discuss unification of Germany and Italy
8. Balkan wars and its role in first world war
9. What is the main criterion used by word banking classifying different countries how does it differ from UNDP
10. What are the causes of land degradation and suggest measures to improve it
11. Discuss the causes of soil degradation also suggest measures to improve it
12. Prepare a map of soil

Holiday Homework Class 10

Science- Physics : –

A:-Prepare the tabular display of all the cases of image formation by concave and convex mirror along with proper neat ray diagrams of the same.

B. Prepare the tabular display of all the cases of image formation by convex and concave lens along with neat and clear ray diagram of all the cases.

C. With proper ray diagram derive the relation between focal length and radius of curvature. Hence establish the mirror formulae.

D. With proper ray diagram establish the lens equation for convex and concave lens.

E. Make a systematic chart of all the important formulaes and sign convention for mirrors and lens.

F. Make a list of atleast ten uses of concave and convex mirrors in our daily life around us.

G. **PROJECT**

Make a small investigation of any one important aspect of light in your life near or around you and record your observation in
project file.Your investigation will be discussed in class

Holiday homework Class x
Subject–Biology
1-Write differences between living and non living organisms.
2– write differences between unicellular and multicellular organisms.
3-Define the following terms-metabolism, diffusion and osmosis.
4-Differentiate between autotrophic and heterotrophic nutrition.
5- What is stomata? Write its functions.
6-Name the event takes place during the photosynthesis process.
7-Explain the nutrition process in amoeba
Class X – Chemical Reactions and Equations

Case-Based Questions

Q1.A student adds dilute hydrochloric acid to zinc granules. A gas is evolved which burns with a ‘pop’ sound.

Identify the gas evolved.

Write the balanced chemical equation.

What type of reaction is this?

How will you test the gas?

Q2.Iron nails are dipped in copper sulphate solution. After some time, the solution turns green and a reddish deposit is seen.

What type of reaction occurs?

Write the balanced equation.

Why does the colour change?

Which metal is more reactive and why?

Q3.A white powder is heated strongly and it decomposes to form a gas that turns lime water milky.

Identify the compound.

Write the chemical equation.

What type of reaction is this?

Name the gas evolved.

Assertion–Reason Based Questions

Choose the correct option: (A) Both A and R are true and R explains A

(B) Both true but R not explanation

(C) A true, R false

(D) A false, R true

Q4.Assertion: Burning of magnesium ribbon produces white ash.

Reason: Magnesium reacts with oxygen to form magnesium oxide.

Q5.Assertion: Respiration is an exothermic reaction.

Reason: Energy is released during respiration.

Q6.Assertion: Silver chloride turns grey in sunlight.

Reason: It undergoes decomposition reaction. **Application-Based Questions**

Q7.Why are food items kept in refrigerators? Explain using chemical reaction concepts.

Q8.Why are chips packets flushed with nitrogen gas?

Q9.Why is rusting faster in coastal areas?

Q10.Why should we not use wet iron tools for a long time

Higher Order Thinking Questions (HOTS)

Q11.A student observes that a reaction produces heat and light.

Identify the type of reaction.

Give one real-life example.

Q12.Two solutions are mixed and a white precipitate forms.

Identify the type of reaction.

Give an example with equation.

Q13.A student forgot to balance a chemical equation.

Explain how this affects the law of conservation of mass.

Q14.Why are decomposition reactions carried out using electricity or heat?

Diagram/Interpretation Based

Q16.A diagram shows electrolysis of water.

What type of reaction is this?

Write the balanced equation.

Name the gases produced at electrodes.

Q17.A graph shows temperature vs time for a reaction where temperature rises rapidly.

What type of reaction is represented?Give reason.

Arts

Art Home work

Class -X

Draw any one object drawing using Pencil.

Draw any festival drawing using colour.

Draw one warli painting using colour

Art Portfolio file

SUMMER VACATION HOLIDAY HOMEWORK (SESSION: 2026-2027)
SUBJECT:- WORK EXPERIENCE (WE) **CLASS X**
Objective: To develop basic life skills and self-help habits.
Focus: Learning by doing, creativity, and real-life skill development.
Activities:
2. **Work Experience Report**

- Choose cooking/gardening/cleaning.
- Write procedure and outcome.
- Make a pen stand / paper box or toy using waste material.
- Make a paper lamp / chess board/ Ludo & ladder.
- Make a project model of your interest.

3. **Community Service**
- Participate in cleanliness or helping activity.
- Write your experience.

4. **Budget Preparation**
- Prepare a simple family monthly budget.

General Instructions:

- Maintain neat and clean work.
- Use a separate notebook/file.
- Include drawings, pictures, and creativity.
- Submit after vacation