

New Era Progressive School

Korba

Dussehra Holiday Home Work

Class - X

ENGLISH

SECTION A: LITERATURE

Application-Based Questions

Q1. Footprints Without Feet

Griffin was a brilliant scientist, but he used his scientific discovery for selfish and unlawful purposes. Imagine that you have developed a scientific invention that could benefit society but could also be misused. What ethical responsibilities would you consider before making it available to the public? Answer with reference to Griffin's character.

(Word limit: 100–120 words)

Q2. Footprints without Feet

Imagine that Griffin visits your school and uses his invisibility to play pranks on students and teachers. As the Head Boy/Head Girl, how would you handle the situation and explain to him the importance of using scientific knowledge responsibly?

(Word limit: 100–120 words)

Q3. Glimpses of India

Your school is organising a cultural exhibition to promote India's regional traditions. You have been asked to prepare a presentation on Goa's traditional baking culture. How would you explain the importance of the baker in Goan society and suggest ways to preserve this cultural tradition?

(Word limit: 100–120 words)

Q4. Glimpses of India

Your class is planning an educational trip to Coorg. Based on your understanding of the chapter, prepare a short travel proposal highlighting Coorg's natural beauty, wildlife, coffee plantations, and adventure activities. Explain how the trip could promote environmental awareness among students.

(Word limit: 100–120 words)

Q5. Mijbil the Otter

You have been asked to care for an unfamiliar animal as part of a school awareness programme. Drawing inspiration from the narrator's experience with Mijbil, explain how you would help the animal feel comfortable and build trust with it. What lessons does the chapter teach us about patience, kindness, and responsible animal care?

(Word limit: 100–120 words)

SECTION B: WRITING SKILLS

Q6. Formal Letter – Letter of Order

You are the Head Boy/Head Girl of New Era Progressive School, Korba. Write a letter to M/s Bright Stationers, Raipur, placing an order for library books, dictionaries, and reference materials for your school library. Mention the required quantities, suitable specifications, and delivery instructions.

(Word limit: 100–120 words)

Q7. Analytical Paragraph

The following table shows the percentage of students participating in different extracurricular activities in a school.

Extracurricular Activity| Percentage of Students

Sports| 30%

Music and Dance| 25%

Art and Craft| 20%

Debate and Public Speaking| 15%

Science Club| 10%

Study the data carefully and write an analytical paragraph highlighting the major trends, comparisons, and preferences of students. Compare the popularity of different activities and draw a suitable conclusion based on the given information.

(Word limit: 100–120 words)

Mathematics

Class X Mathematics

- 1) To solve the worksheet of given chapters-
 - a) Some applications of trigonometry
 - b) Areas related to circles

2) Maths Lab Manual

- a) Verify the Basic Proportionality Theorem.
- b) To find the height of a building using clinometer.

Hindi

1. अपने विद्यालय के प्रधानाचार्य को विद्यार्थियों के लिए करियर मार्गदर्शन कार्यशाला आयोजित कराने हेतु ई-मेल लिखिए।
2. किसी समाचार-पत्र के संपादक को सोशल मीडिया के दुरुपयोग के प्रति युवाओं को जागरूक करने हेतु ई-मेल लिखिए।
3. आपके मित्र ने विज्ञान प्रदर्शनी में उत्कृष्ट प्रदर्शन किया है। उसे बधाई संदेश लिखिए।
4. आपकी सहेली को विद्यालय का सर्वश्रेष्ठ विद्यार्थी पुरस्कार मिला है। उसे बधाई संदेश लिखिए।

Biology

Write the following experiments in Biology lab manual.

- * Preparing a temporary mount of a leaf peel to show stomata
- * Experimentally showing that carbon dioxide is given out during respiration
- * Studying binary fission in Amoeba and budding in yeast with the help of prepared slides
- * Identifying the different parts of an embryo of a dicot seed .

Chemistry

Write the following experiments in Chemistry lab manual.

1. Finding the pH of the following samples by using pH paper/universal indicator:
 - (a) Dilute NaOH solution
 - (b) Dilute Hydrochloric Acid
 - (c) Dilute Ethanoic Acid Solution
 - (d) Lemon juice
 - (e) Water
 - (f) Dilute Hydrogen Carbonate solution
2. Studying the properties of Hydrochloric acid (HCl) by its reaction with:
 - (a) Litmus solution (Blue/Red)
 - (b) Zinc metal
 - (c) Solid sodium carbonate
3. Performing and observing the action of water on quicklime and classifying it into a combination reaction/decomposition reaction/displacement reaction/double displacement reaction.
4. Performing and observing the action of heat on ferrous sulphate crystals and classifying it into a combination reaction/decomposition reaction/displacement reaction/double displacement reaction.

5. Performing and observing the reaction of iron nails kept in copper sulphate solution and classifying it into a combination reaction/decomposition reaction/displacement reaction/double Displacement reaction.
6. Observing the action of Zn, Fe, Cu, and Al (metals) on the salt solution of zinc sulphate (ZnSO_4) and arranging these metals in the decreasing order of reactivity based on the above result.
7. Study of the following properties of acetic acid (ethanoic acid):
 - (i) odour
 - (ii) solubility in water
 - (iii) effect on litmus
 - (iv) reaction with Sodium Hydrogen Carbonate.

Instructions for Writing the Chemistry Lab Manual

Write each chemistry practical in your lab manual using the following headings in the given order:

- 1. Aim**
- 2. Materials Required**
- 3. Theory**
- 4. Observation Table**
- 5. Conclusion**
- 6. Result**
- 7. Precautions (Write any two.)**

Note:

- 1. Draw all diagrams, observation tables, calculations, and chemical reactions on the unruled page of your lab manual.**
- 2. Write the remaining content neatly on the ruled page.**
- 3. Maintain proper presentation and cleanliness throughout the lab manual.**
- 4. Ensure that all practical are completed neatly and systematically.**

Economics

Prepare a chart of five public sector and 10 private sector organisations in India.

Sanskrit

- (1) मनस् (नपुंसकलिंग) शब्द का रूप।
 - (2) लभ् धातु (आत्मनेपदी) लट् लकार में।
 - (3) किम् शब्द का रूप तीनों लिंगों में।
- व्याकरण कॉपी में ही लिखें।

INFORMATION TECHNOLOGY(402)

Digital Documentation using MS-Word / Writer.

- 1) What is a Table of Contents (ToC) and why is it important in a document? Imagine you are preparing a project report that has several sections and subsections. You have been asked to add a ToC to make it more organized and easier to navigate. Write steps to create Table of Content in MS-Word / Writer.
- 2) Write the steps for inserting image in the MS-Word / Writer and write the difference between resize image and text wrapping option in the document.
- 3) What do you mean by track change and why track change options are used in documents? How you will use accept or reject the changes option in MSWord / Writer.

Electronic Spreadsheets using MS-Excel / Calc

- 4) You have the following data of students' and their marks for Term-1, Mid Term and Term-2 stored in a worksheets in the same workbook. How you will use it to consolidate data features in MS-Excel / Calc to summarize the data in a single worksheet that will show the average marks of each student.
- 5) What do you mean by Macro? Write the steps to record Macro in MS-Excel / Calc.
- 6) You want to create a yearly budget and you want to see how different monthly savings can affect your total savings at the end of the year. Explain the steps how you will create What-if Scenarios in MS-Excel / Calc.

Note: Write the answers in A4 size project paper and file it in a stick file.

Last date of submission of Holiday Homework is 26/10/2026

