



St. XAVIER'S HIGH SCHOOL

EDUCATION FOR ALL

BANKURA, WB
Affiliation No.: 2430130

Affiliated to CBSE (New Delhi) 10+2 level
School Code: 15720

SUMMER VACATION ASSIGNMENT (2026-2027)

Class-X

Subject: English

Section A: Reading Skills:

Read an English newspaper daily for 15 days.

Write 2 headlines each day.

Write their meanings in your own words.

Read any one story/book of your choice and write:

Name of the book

Author's name

Summary (150 words)

Moral/lesson learnt.

Section B: Writing Skills

1. Notice Writing

Write any two notices on the following topics:

School Cultural Programme

Tree Plantation Drive

Debate Competition

2. Letter Writing

Write one formal and one informal letter:

Formal Letter: Write to the Editor about the harmful effects of mobile addiction among students.

Informal Letter: Write a letter to your friend describing how you spent your summer vacation.

Section C: Grammar

Do the following exercises in your grammar copy:

Tenses – 20 sentences

Voice Change – 10 sentences

Narration – 10 sentences

Modals – 10 sentences

Section D: Literature

Write character sketches of:

Lencho

Mandela

Tricki

Learn and write:

Important question answers

Difficult word meanings from the chapters done in class

Section E: Creative Work

Prepare any one activity:

Make a colourful English grammar chart.

Prepare a project on any famous English author.

Subject: Bengali

১) ব্যাস বাক্য সহ সমাস নির্ণয় করো—

বিনাদোষে → _____

যথাসাধ্য → _____

উপকার → _____

রাম-লক্ষ্মণ → _____

ভালো-মন্দ → _____

জীবন-মরণ → _____

২) বাক্য পরিবর্তন করো

(সরল → যৌগিক)

সে অসুস্থ হওয়ায় স্কুলে যায়নি।

→ _____

বৃষ্টি হওয়ায় খেলা বন্ধ হলো।

→ _____

(জটিল → সরল)

যে ছেলে পরিশ্রম করে, সে সফল হয়।

→ _____

যখন বৃষ্টি পড়ে, তখন আমি বাড়িতে থাকি।

→ _____

৩) নিচের যেকোনো একটি বিষয়ে ১৫০ শব্দে অনুচ্ছেদ লেখো—

আমার প্রিয় বই

গ্রীষ্মের ছুটি

একটি স্মরণীয় দিন।

Subject: Hindi

1. फसलों के उत्पादन में महिलाओं के योगदान को हमारी अर्थव्यवस्था में महत्व क्यों नहीं दिया जाता है? अपना विचार प्रकट कीजिए।
2. 'मजहब नहीं सिखाता आपस में बैर रखना'- इस विषय पर दो मित्रों के मध्य संवादों की रचना करें।
3. उस्ताद बिस्मिल्लाह खाँ के जीवन परिचय लिखें।
4. नववर्ष की बधाई देते हुए अपने मित्र को एक पत्र लिखें
5. तुलसीदास के जीवन परिचय लिखिए।

Subject: Mathematics

1. Complete the chapter 1,2,3,4 from NCERT Textbook (In maths copy)
2. Project: Topic - 1. Mathematics in real life, 2. Indian Mathematician (any one topic on channel file)
3. Solve PYQ of chapter 1 to 5 (2015 to 2025)
4. Revision and practice for periodic test 1(chapter -1,2,3,4)

Subject: Science

CHEMISTRY:

1. Draw a neat modern periodic table and mark:
 - . Metals
 - . Non-metals
 - . MetalloidsUse scrapbook or chemistry copy.
2. Write any 30 balanced chemical reactions. (In chemistry copy)
3. Perform and record any one activity:
 - . Reaction of baking soda with vinegar
 - . Rusting of iron nail experiment
 - . Testing acidic/basic nature of household items

Write:

- . Aim
 - . Materials Required
 - . Procedure
 - . Observation
 - . Conclusion
- Use scrapbook or chemistry copy.

ASSIGNMENT FOR PHYSICS : 🍌🍌🍌🍌

Question 1. Why does a light ray incident on a rectangular glass slab immersed in any medium emerges parallel to itself? Explain using a diagram.

Question 2. A pencil when dipped in water in a glass tumbler appears to be bent at the interface of air and water. Will the pencil appear to be bent to the same extent, if instead of water we use liquids like, kerosene or turpentine. Support your answer with reason.

Question 3. Refractive index of diamond with respect to glass is 1.6 and absolute refractive index of glass is 1.5. Find out the absolute refractive index of diamond.

Question 4. A convex lens of focal length 20 cm can produce a magnified virtual as well as real image. Is this a correct statement? If yes, where shall the object be placed in each case for obtaining these images?

Question 6. Draw ray diagrams showing the image formation by a convex mirror when an object is placed

- (a) at infinity
- (b) at finite distance from the mirror

Question 7. The image of a candle flame formed by a lens is obtained on a screen placed on the other side of the lens. If the image is three times the size of the flame and the distance between lens and image is 80 cm, at what distance should the candle be placed from the lens? What is the nature of the image at a distance of 80 cm and the lens?

Question 8. Define power of a lens. What is its unit? One student uses a lens of focal length 50 cm and another of -50 cm. What is the nature of the lens and its power used by each of them?

ASSIGNMENT OF BIOLOGY:

A.

1. Draw and label a diagram of human digestive system on a art paper . Roll no 1-12

2. Draw and label a diagram of human respiratory system on art paper . Roll no 12-24

- B. 1. Make a PowerPoint presentation on the digestion inside mouth cavity of humans . Roll : 1-5
2. Make a PowerPoint presentation on the function of pancreas in human digestive system. Roll 6-10
3. Make a PowerPoint presentation on the digestion in human intestine. Roll 11-15
4. Make a PowerPoint presentation on the human respiratory system. Roll 16-20
5. Make a PowerPoint presentation on different types of respiration process. Roll no 20-24

C. Write down a short note on the activities of different enzymes in human digestive system on class notebook. (compulsory for everyone)

Subject: Social Science

1. Write 15 important intext questions with answers (very short /short/long answer type)from the chapter The Rise of Nationalism in Europe
2. Write the answers of all the exercises of the chapter Forest and Wildlife Resources
3. With the help of diagram explain the rainwater harvesting system of Rajasthan.
4. Write 10 important intext questions with answers (very short /short/long answer type)from the chapter DEVELOPMENT.
5. With the help of a flow diagram explain the practice of federalism in India.

Subject: AI

* All the python code must be written (Hand Written) in A4 size page with proper front page and submit in a channel file.*

All programs must be followed by proper outputs showing proper Results.

- (i) Write a python program to print the multiplication table for the given number.
- (ii) Write a python program to check whether the given number is prime or not?
- (iii) Write a python program to find the factorial of a given number?
- iv) Python Program to Check Prime Number.
- v) Python Program to Check Armstrong Number.
- vi) Python Program to Print the Fibonacci sequence.
- vii) Python Program to Check if a Number is Positive, Negative or 0.
- viii) Python Program to Find ASCII Value of Character.
- ix) Python Program to Convert Decimal to Binary Using Recursion.
- x) Python Program to Check Whether a String is Palindrome or Not.