ST. XAVIER'S HIGH SCHOOL
EDUCATION FOR ALL

BANKURA, WB
Affiliation No.: 2430130

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

WINTER VACATION ASSIGNMENT (2024-2025)
Class-IX

Subject: English

1. Write a diary entry (around 100-120 words) describing how you observed Christmas Day celebrations at your home or surroundings during the winter holidays 2024. Try to include sensory details such as sights, sounds, and smells that made the day special. You could also mention any unique traditions or rituals that your family or community follows on Christmas Day. How did you feel on this day? What were some of the highlights of your celebration? Use vivid language to bring your experience to life.

Write the diary entry in your School's Holiday Homework Copy. You may paste related pictures or drawings and sketches if you want.

Subject: Bengali

১। "জন্মভূমি আজ" কবিতার সারমর্ম লিখা।

২। "আম আঁটির ভেঁপু" গল্পের অপুর এবং দুর্গার চরিত্র বিশ্লেষণ ।

৩। বিদ্যালয়ের বার্ষিক সাংস্কৃতিক অনুষ্ঠানে অংশগ্রহণের জন্য আহ্বান জানিয়ে ছাত্রছাত্রীদের জন্য একটি বিজ্ঞপ্তি লেখো। বিজ্ঞপ্তির স্থান ,তারিখ ,সময় ও প্রয়োজনীয় বিষয়গুলোর উল্লেখ কর।

Subject: Hindi

1. कवि सुमित्रानंदन पंत का परिचय अपने शब्दों में लिखें।

2. भारतीय गांवों की विशेषताओं को अपने शब्दों में लिखें।

3. अब पछताए होत क्या जब चिड़िया चुग गई खेत इस विषय पर एक लघु कथा लिखें।

Subject: Mathematics

1. FROM SIMPLIFIED MATHEMATICS BOOK - :
Pg no-1.53 (solve - question no.14(i,ii,iii,,v) **,Pg no-2.84**(solve -question no- 64) **, Pg no.3.19** (solve- question no.-S A Q II -3), **Pg no.7.49**-(solve -LAQ all questions), **Pg no. 8.55**(solve-LAQ all questions) & **Pg no. 9.85**(solve-SAQ-II all questions)
 TOTAL NO. OF QUESTIONS- 35

2. Write down the five activity in your maths lab manual book. (Activity no.12,17,19,23 &27)

Subject: Science

PHYSICS
1.Experiment 9. Determination of the density of solid (denser than water) by using a spring balance and a measuring

cylinder.
2. Experiment 11.2. Determination of the speed of a pulse propagated through a slinky spring.
BIOLOGY
1. Experiment 6.1. Identification of different types of plant tissues (parenchyma, collenchyma and sclerenchyma) from prepared slides and draw their labelled diagrams. **2.** Experiment 6.2. Identification of different types of animal tissues from prepared slides and draw their labelled diagrams.
CHEMISTRY Experiment 4. Performing the following reactions and classifying them as physical or chemical change: (a) Iron with copper sulphate solution in water (6) Burning of magnesium in air (c) Zinc with dilute sulphuric acid (d) Heating of copper sulphate crystals (e) Sodium sulphate with barium chloride in the form of their solutions in water.
Experiment 1. Preparation of (a) a true solution of common salt, sugar and alum (6) a suspension of soil, chalk powder and fine sand in water (c) a colloidal solution of starch in water and egg albumin/milk in water and distinction between these on the basis of (i) transparency (ii) filtration criterion (iii) stability

Subject: Social Science

1. Do the full Exercise (Question -Answer) of Nazism and The Rise of Hitler in CW copy.

2. Map Work:-
- On the outline political map of France, Locate and label- Bordeaux, Nantes, Paris and Marseille.
- On the outline political map of the World, Locate and label- Major countries
- of First World War: Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire), Allied Powers – France, England, Russia and USA.
- On the outline Political Map of World, locate and label Major countries of 2nd World War: Axis Powers – Germany, Italy, Japan. Allied Powers UK, France, Former USSR, USA.
- On the political map of India label - India – States and Capitals
- On the physical map of India - Tropic of Cancer, Standard Meridian, Neighbouring Countries.

(NOTE :- Paste all the maps in your respective Geography and History copy. Use colours if required.)

Subject: AI

1. Write python code for the following program and submitted in a channel file with proper colour front page:

1. To print personal information like Name, Father's Name, Class, School Name and subject
2. To print the following patterns using multiple print commands-
a)

```
*
* *
* * *
* * * *
* * * * *
```

b)

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

3. To find square of number 7
4. To find the sum of two numbers 15 and 20.
5. To convert length given in kilometers into meters.
6. To print the table of 5 up to ten terms.
7. To calculate Simple Interest if the principle_amount,rate_of_interest and time input by user.

8. Program to check if a person can vote or not.
9. To check the grade of a student
10. Input a number and check if the number is positive, negative or zero and display an appropriate message
11. To print the first 10 natural numbers .
12. To print the first 10 even numbers using decision making statements.
13. To print odd numbers from 1 to n .
14. To print the sum of the first 10 natural numbers .
15. Program to find the sum of all numbers stored in a list.
16. To calculate Area and Perimeter of a rectangle
17. To calculate Area of a triangle with Base and Height
18. To calculate Surface Area and Volume of a Cuboid